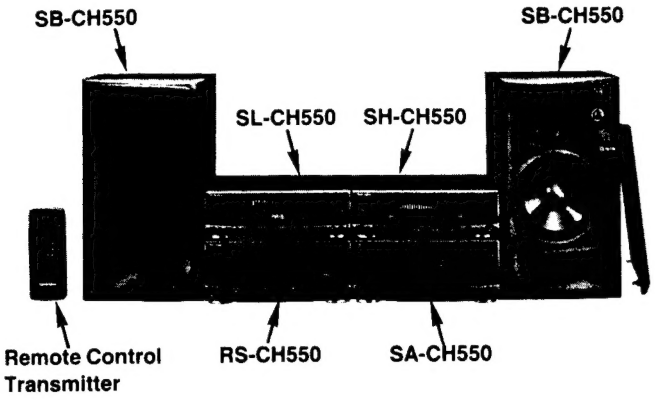
ORDER NO. AD9208267C8

Service Manual

Cassette Deck

Cassette Deck * DOLBY B•C NR

RS-CH550



Colour

(K) ..... Black Type

Areas

Suffix for Model No.	Area	Colour
(E)	Europe, Asia, Latin America, Middle Near East, Africa and Oceania	(K)

System: SC-CH550

Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

■ RS-TR165 MECHANISM SERIES (AR300)

SPECIFICATIONS

Track system	Compact cassette stereo
Tape speed	4.8 cm/sec (1⅞ ips)
Bias frequency	80 kHz
Heads	
DECK 1 (playback)	Permalloy head
DECK 2 (record/playback)	Permalloy head
(erasure)	Double gap ferrite head
Motors	DC servo motor
Wow and flutter	0.1% (WRMS)
Fast forward and rewind time	Approx. 110 seconds with C-60 cassette tape
Frequency response	
NORMAL	30 Hz–16 kHz
	40 Hz–15 kHz (DIN)
CrO_2	30 Hz–16 kHz
	40 Hz–15 kHz (DIN)
METAL	30 Hz–17 kHz
	40 Hz–16 kHz (DIN)

S/N (CrO_2 type tape)	
Dolby NR off	56 dB (A-WTD)
Dolby B NR on	66 dB (CCIR)
Dolby C NR on	74 dB (CCIR)
■ GENERAL	
Dimensions (W×H×D)	270×119×264 mm
Weight	2.8 kg

Notes:

1. Specifications are subject to change without notice.
2. Weight and dimensions shown are approximate.
3. Total harmonic distortion is measured by the digital spectrum analyzer.

***Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.**
"Dolby" and thd double-D symbol are trade marks of Dolby Laboratories Licensing Corporation.

System	Sound processor	Tuner amplifier	Compact disc player	Cassette deck	Speakers
SC-CH550	SH-CH550	SA-CH550	SL-CH550	RS-CH550	*SB-CH550

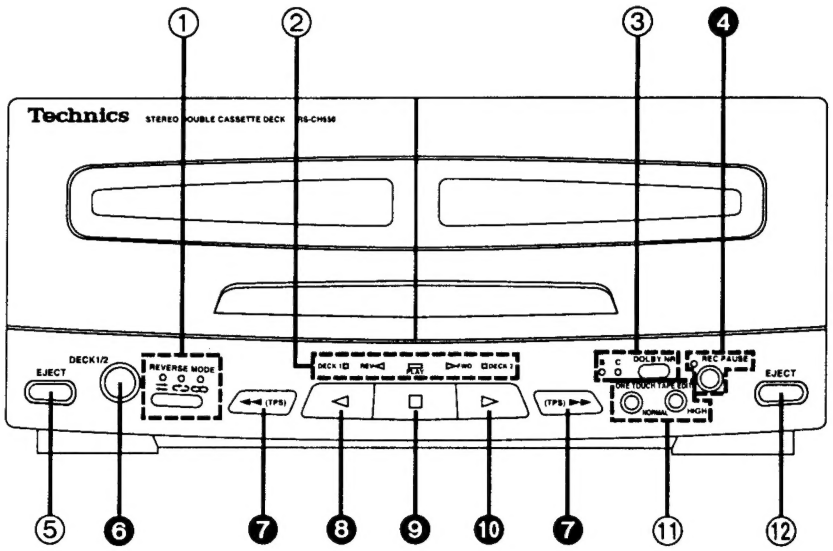
***Europe area...Made in PAES.**

Technics

■ CONTENTS

NOTE:
Refer to the service manual for Model No. SA-CH550, Order No. AD9208265C8 for information on ACCESSORIES, STACKING THE COMPONENTS, CONNECTIONS and PACKAGING.

■ LOCATION OF CONTROLS



① Reverse mode select button and indicators (REVERSE MODE)
Press to select the reverse mode (for playback and recording).

② Indicators section
Each indicator lights as follows.

DECK 1:	Lights to show you can operate the deck 1.
REV/FWD:	Lights to indicate the direction of the tape travel.
PLAY:	Lights when you play or record the cassette tape. Flashes when you quickly search for the beginning of a program while the tape is being played (TPS), or while in the recording standby mode.
DECK 2:	Lights to show you can operate the deck 2.

③ Dolby noise reduction button and indicators (DOLBY NR, B, C)
Press to reduce hissing noise on the tape. This system has both the Dolby B-type and Dolby C-type noise reduction.

④ Record standby/record pause button and indicator (REC PAUSE)
Press to put deck 2 into the record standby mode.

⑤ Deck 1 cassette eject button (EJECT)
Press to open the deck 1 cassette holder.

⑥ Deck 1/deck 2 select button (DECK 1/2)
Press to select the deck to be operated.

⑦ Fast-forward/rewind/tape program sensor (TPS) buttons [◀◀ (TPS), (TPS) ▶▶]
Press to advance or rewind the tape, or to quickly search for the beginning of a program while the tape is being played.

⑧ Reverse-side playback button (◁)
Press to start the playback or recording (deck 2) in the reverse direction.

⑨ Stop button (□)
Press to stop the tape.

⑩ Forward-side playback button (▷)
Press to start the playback or recording (deck 2) in the forward direction.

⑪ One-touch tape edit buttons (NORMAL, HIGH)
Press to start the tape-to-tape recording.

⑫ Deck 2 cassette eject button (EJECT)
Press to open the deck 2 cassette holder.

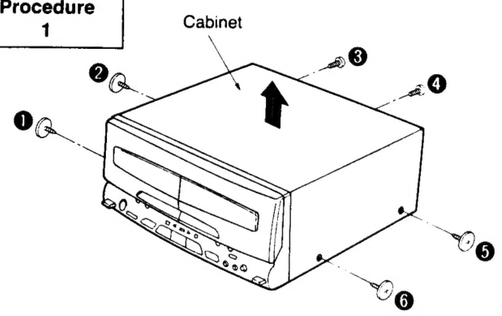
The functions indicated by the numbers with black background (for example ④) can also be activated from the remote control.

■ DISASSEMBLY INSTRUCTIONS

"ATTENTION SERVICER"
Some chassis components may have sharp edges. Be careful when disassembling and servicing.

Ref. No. 1 — **Removal of the Cabinet**

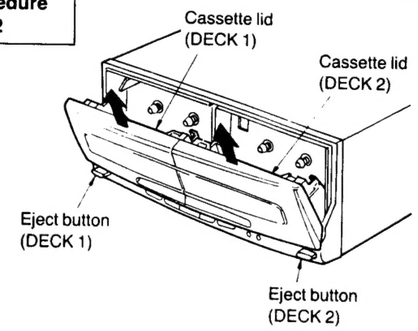
Procedure 1



1. Remove the 6 screws (❶~❻).
2. Remove the cabinet in the direction of arrow.

Ref. No. 2 — **Removal of the Cassette Lid (DECK 1 and DECK 2)**

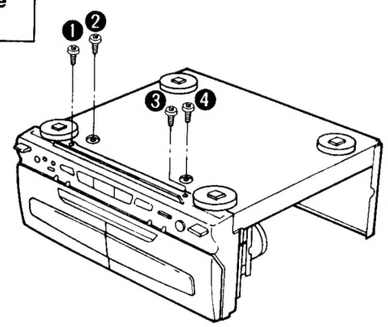
Procedure 2



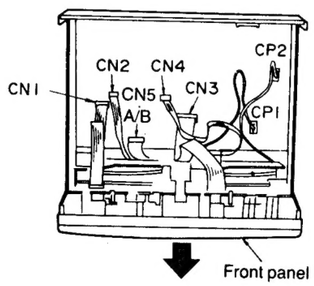
1. Press the eject button and open the cassette lid.
2. Remove the cassette lid in the direction of arrow.

Ref. No. 3 — **Removal of the Front Panel**

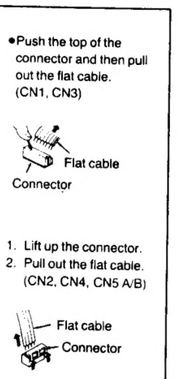
Procedure 1→3



1. Remove the 4 screws (❶~❹).

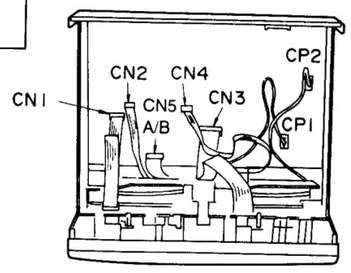


2. Remove the 5 flat cables (CN1, CN2, CN3, CN4, CN5 A/B).
3. Remove the 2 connectors (CP1, CP2).
4. Remove the front panel in the direction of arrow.

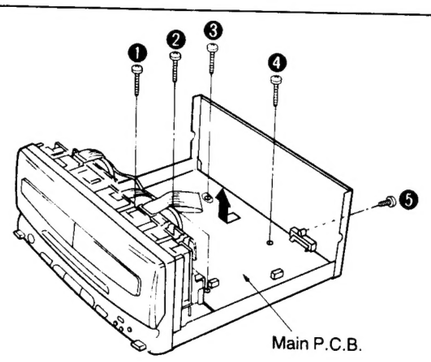


Ref. No. 4 — **Removal of the Main P.C.B.**

Procedure 1→4



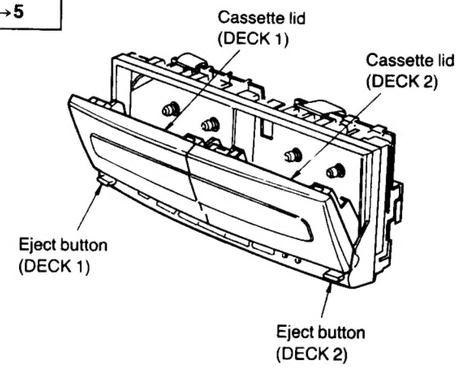
1. Remove the 5 flat cables (CN1, CN2, CN3, CN4, CN5 A/B).
2. Remove the 2 connectors (CP1, CP2).



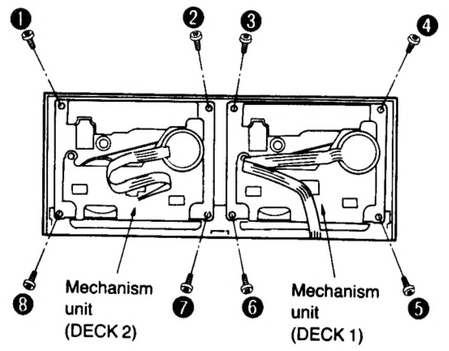
3. Remove the 5 screws (❶~❺).
4. Remove the main P.C.B. in the direction of arrow.

Ref. No. 5 — **Removal of the Mechanism Unit (DECK 1 and DECK 2)**

Procedure 1→3→5



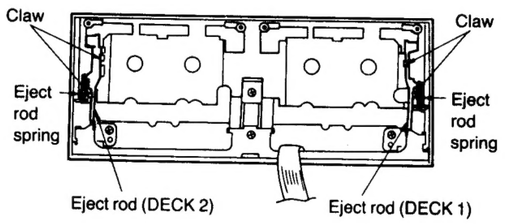
1. Press the eject button and open the cassette lid.



2. Remove the 8 screws (❶~❽).

Ref. No. 6 — **Removal of the Eject Rod (DECK 1 and DECK 2)**

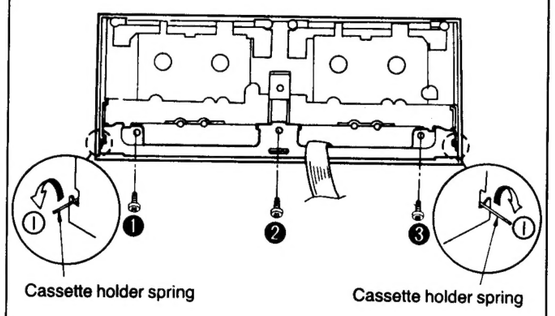
Procedure 1→3→5→6



1. Remove the eject rod spring.
2. Release the 4 claws.

Ref. No. 7 — **Removal of the Mechanism Angle**

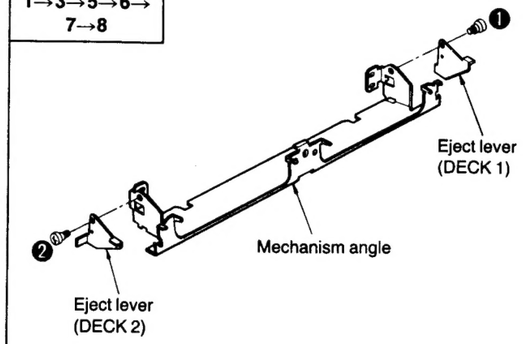
Procedure 1→3→5→6→7



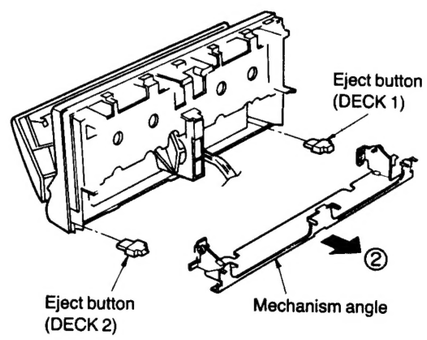
1. Remove the cassette holder spring in the direction of arrow ① (DECK 1 and DECK 2).
2. Remove the 3 screws (❶~❸).

Ref. No. 8 — **Removal of the Eject Lever (DECK 1 and DECK 2)**

Procedure 1→3→5→6→7→8

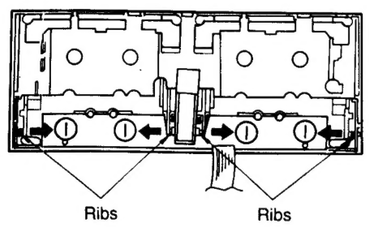


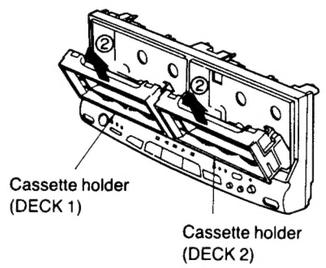
•Remove the 2 screws (❶, ❷).



3. Remove the mechanism angle in the direction of arrow ②.
4. Remove the eject button (DECK 1 and DECK 2).

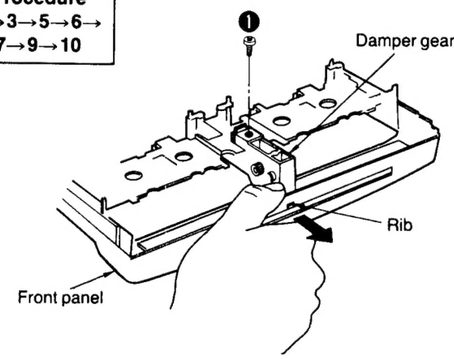
Ref. No. 9	Removal of the Cassette Holder (DECK 1 and Deck 2)
Procedure 1→2→4→5→ 6→7→9	





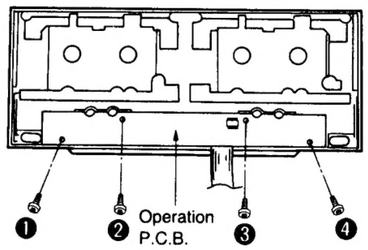
1. Remove the ribs in the direction of arrow ①.
2. Remove the cassette holder in the direction of arrow ②.

Ref. No. 10	Removal of the Damper Gear
Procedure 1→3→5→6→ 7→9→10	



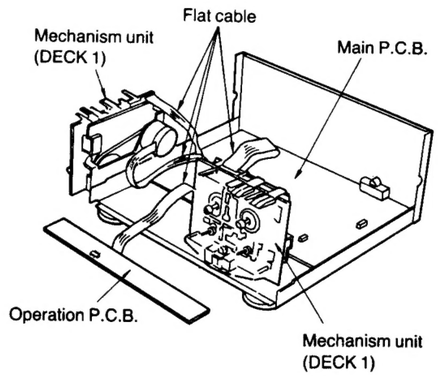
1. Remove the 1 screw (❶).
2. Remove the damper gear's rib by holding the bottom and center of the front panel pressed slightly in the direction of the arrow.

Ref. No. 11	Removal of the Operation P.C.B.
Procedure 1→3→5→6→ 7→9→10→11	



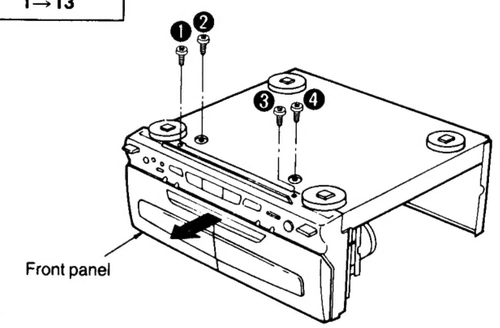
•Remove the 4 screws (❶~❹).

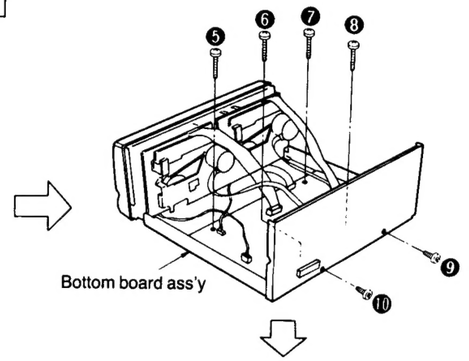
Ref. No. 12	How to check the Operation P.C.B.
Procedure 1→3→5→6→ 7→9→10→ 11→12	•When checking the soldered surfaces of operation P.C.B. and replacing the parts, do as show.



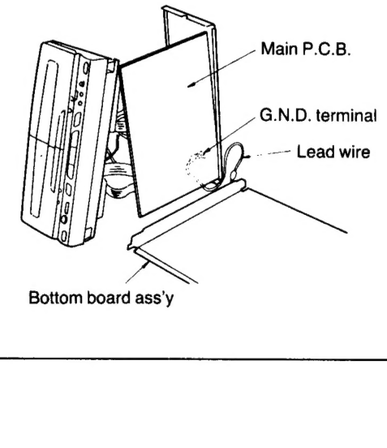
1. Connect the flat cables and connectors of the mechanism units (DECK 1 and DECK 2) to the corresponding connectors (CN1, CN2, CN3, and CN4) on the main P.C.B. (Refer to page 15.)
2. Connect the flat cable on the operation P.C.B. to the connector (CN5 A/B) on the main P.C.B. (Refer to page 15.)

Ref. No. 13	How to check the Main P.C.B.
Procedure 1→13	



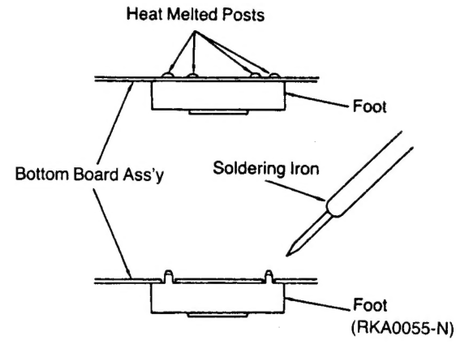


•When checking the soldered surfaces of mains P.C.B. and replacing the parts, do as show.
1. Remove the 4 screws (❶~❹).
2. Remove the front panel in the direction of arrow.
3. Remove the 6 screws (❺~❿).
4. Remove the bottom board ass'y.
5. Connect the GND terminal to the bottom board ass'y by the lead wire.



•Replacement of the Foot.

1. Remove the 4 heat melted posts on the Bottom board ass'y with a pair of nippers or similar tool.
2. To replace the foot (RKA0055-N) on the Bottom board ass'y, melt the 4 posts with a soldering iron.



Notes:

- ●S900 : Stop switch (□)
- ●S901 : Fast-forward/TPS switch (TPS/▶▶)
- ●S902 : Fast-rewind/TPS switch (◀◀/TPS)
- ●S903 : Forward side playback switch (▶)
- ●S904 : Reverse side playback switch (◀)
- ●S905 : Record/record standby switch (REC PAUSE)
- ●S906 : Deck select switch (DECK 1/2)
- ●S907 : One touch tape edit switch (NORMAL)
- ●S908 : One touch tape edit switch (HIGH)
- ●S909 : Dolby noise reduction switch (DOLBY NR, B, C)
- ●S910 : Reverse mode select switch (REVERSE MODE)
- ●S951 : Mode detect switch (Deck 1)
- ●S952 : Half detect switch (Deck 1)
- ●S953 : CrO_2 tape detect switch (Deck 1)
- ●S971 : Mode detect switch (Deck 2)
- ●S972 : Half detect switch (Deck 2)
- ●S973 : Reverse side record prevention tab detect switch (Deck 2)
- ●S974 : Forward side record prevention tab detect switch (Deck 2)
- ●S975 : CrO_2 tape detect switch (Deck 2)
- ●S976 : METAL tape detect switch (Deck 2)

●Indicated voltage valuse are the standard values for the unit measured by the DC electronic circuit tester (high-impedance) with the chassis taken as standard. Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

No mark...Playback ( )...Recording

●Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

●This schematic diagram may be modified at any time with the development of new technology.

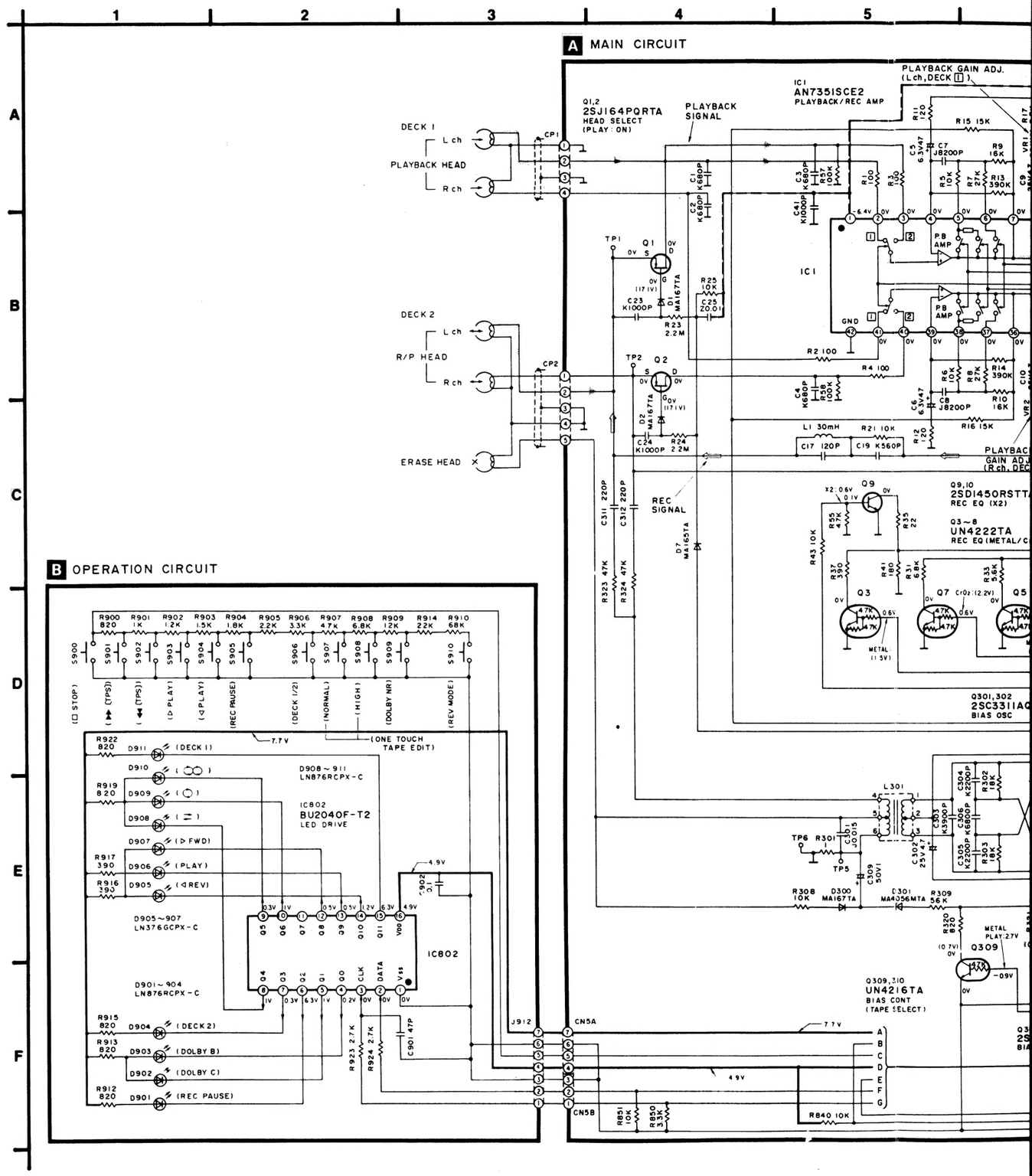
Caution!
●IC and LSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.
●Cover the parts boxes made of plastics with aluminum foil.
●Ground the soldering iron.
●Put a conductive mat on the work table.
●Do not touch the legs of IC or LSI with the fingers directly.

●The supply part number is described alone in the replacement parts list.

Ref. No.	Production Parts No.	Supply Parts No.
IC100 IC501	BA4558FT1	SVIBA4558F

——— : Positive Voltage Line
– – – – : Negative Voltage Line
▒▒▒ : Playback Signal Line
⇨ : Recording Signal Line

■ SCHEMATIC DIAGRAM ●MAIN AND OPERATION CIRCUIT (Parts list on pages 21~24.)



5 6 7 8 9 10 11 12 13 14

PLAYBACK GAIN ADJ. (L ch, DECK 1)

PLAYBACK GAIN ADJ. (L ch, DECK 2)

PLAYBACK GAIN ADJ. (R ch, DECK 1)

PLAYBACK GAIN ADJ. (R ch, DECK 2)

Q9,10
2SD1450RSTTA
REC EQ (X2)

Q3~8
UN4222TA
REC EQ (METAL/CrO2/X2)

Q301,302
2SC3311AQSTA
BIAS OSC

Q303
2SD1862QRTV6
BIAS OSC CONT.

Q304,311
2SB621AQRSTA
BIAS OSC CONT.

Q705,706
UN421ITA
SWITCHING

Q306
2SC3311AQSTA
BIAS OSC CONT.

Q305
UN421ITA
SWITCHING (REC ON)

Q309,310
UN4216TA
BIAS CONT (TAPE SELECT)

Q100
2SC3311AQSTA
TPS SELECT CONT.

IC100
BA4558FTI
TPS SELECT CONT.

Q701,703,704
UN411ITA
SWITCHING (DOLBY B/C)

Q702,707,708
UN421ITA
SWITCHING (DOLBY B/C)

IC801
M38062M3152F
MICRO COMPUTER

IC951
DN6851ALB
HALL IC

IC971
DN6851ALB
HALL IC

C MECHANISM (DECK 1) CIRCUIT

D MECHANISM (DECK 2) CIRCUIT

15 16 17 18 19 20 21 22 23

IC401
CXA1331M-T6
DOLBY NR (B/C)

IC803
LA5608M-TE-L
BUS LINE DRIVE / RESET / HALT

IC501
BA4558FTI
REC LEVEL DET

Q211
UN4113TA
SWITCHING (ALC)

Q207,209,210,213,214
2SC3312STTA
SWITCHING (ALC)

Q201,202,205,206
2SC3311AQSTA
LEVEL CONT. (ATLS)

Q208
UN4211TA
SWITCHING (ALC)

Q203,204
UN4111TA
LEVEL CONT. (ATLS)

Q811
2SB621AQRSTA
SOLENOID DRIVE

Q807
UN4222TA
SOLENOID DRIVE

Q809
2SD1302STTA
MOTOR CONT.

Q806
UN4222TA
SWITCHING (SPEED CONT.)

Q813,814
2SA1309AQSTA
MOTOR SPEED CONT.

Q810
2SD1302STTA
MOTOR CONT.

Q812
2SB621AQRSTA
SOLENOID DRIVE

Q808
UN4222TA
SOLENOID DRIVE

Q600,602
2SD1862QRTV6
REGULATOR

Q603
2SD2037EFTA
REGULATOR

Q601
2SB1357EFTA
REGULATOR

JK1
L ch LINE OUT
A.GND
R ch LINE OUT
L ch LINE IN
R ch LINE IN
DC GND
AC IN
BUS DATA
CT GND
BUS CLK
AC IN

To SL-CH550 (To JK801)

LINE OUT POINT (L ch) TP7 (R ch) TP8

LINE IN POINT (L ch) TP9 (R ch) TP10

POWER SUPPLY POINT TP61 TP62 TP63

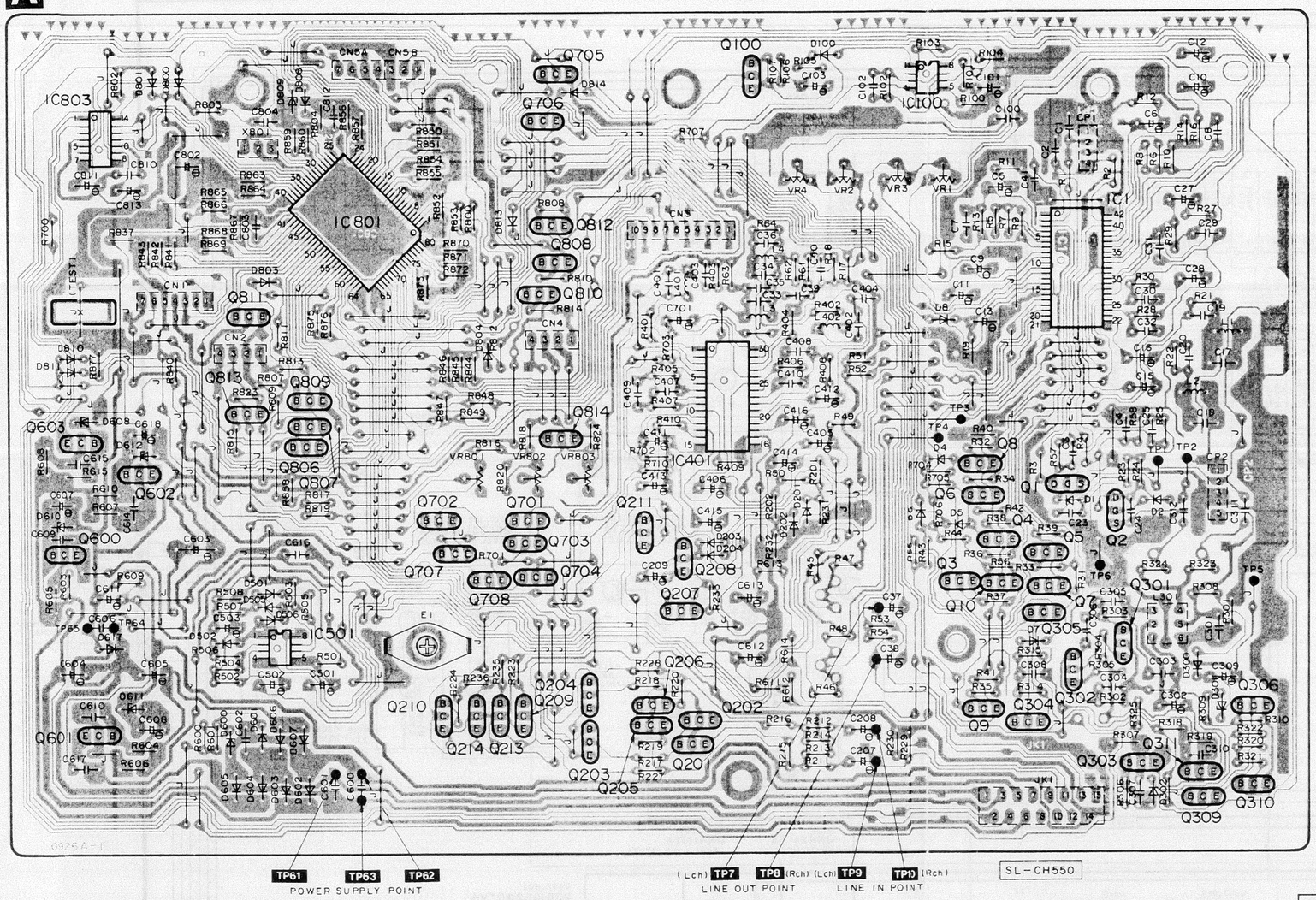
TAPE SPEED ADJ. (X1, DECK 1)

TAPE SPEED ADJ. (X1, DECK 2)

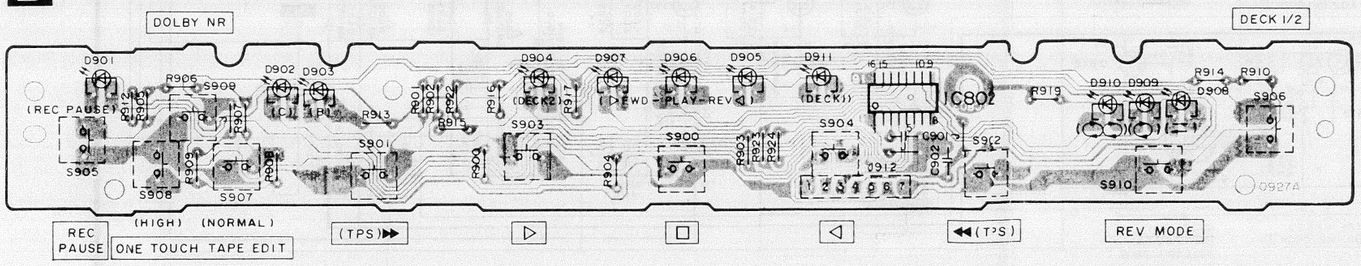
TAPE SPEED ADJ. (X2, DECK 2)

■ PRINTED CIRCUIT BOARD DIAGRAM

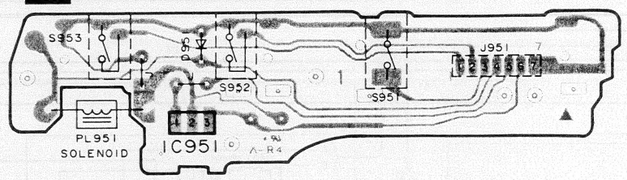
A MAIN P.C.B.(REP1440A-M)



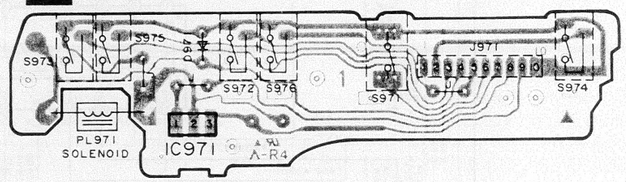
B OPERATION P.C.B.(REP1441A-S)



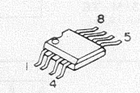
C MECHANISM (DECK 1) P.C.B. (REP0107)

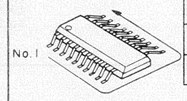


D MECHANISM (DECK 2) P.C.B. (REP0075)



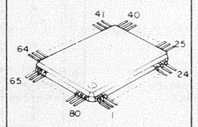
BA4558FT1



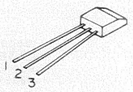


LA5608M-TE-L	14Pin
BU2040F-T2	16Pin
CXA1331M-T6	30Pin
AN7351SCE2	42Pin

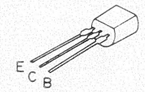
M38062M3152F

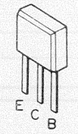


DN6851ALB



2SB621AQRSTA
2SD1302STTA

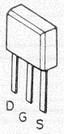




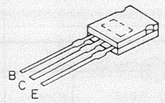
UN4216TA
UN4222TA

2SA1309AQSTA
2SC3311AQSTA
2SC3312STTA
2SD1450RSTTA
UN4111TA
UN4113TA
UN4211TA

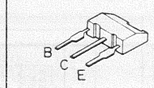
2SJ164PQRTA

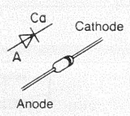


2SB1357EFTA
2SD2037EFTA



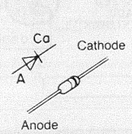
2SD1862QRTV6

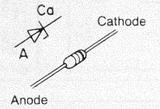




MA165TA
MA167TA
MA700TA
1SR35200TB
RVD1SS133TA

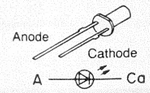
1SS291TA



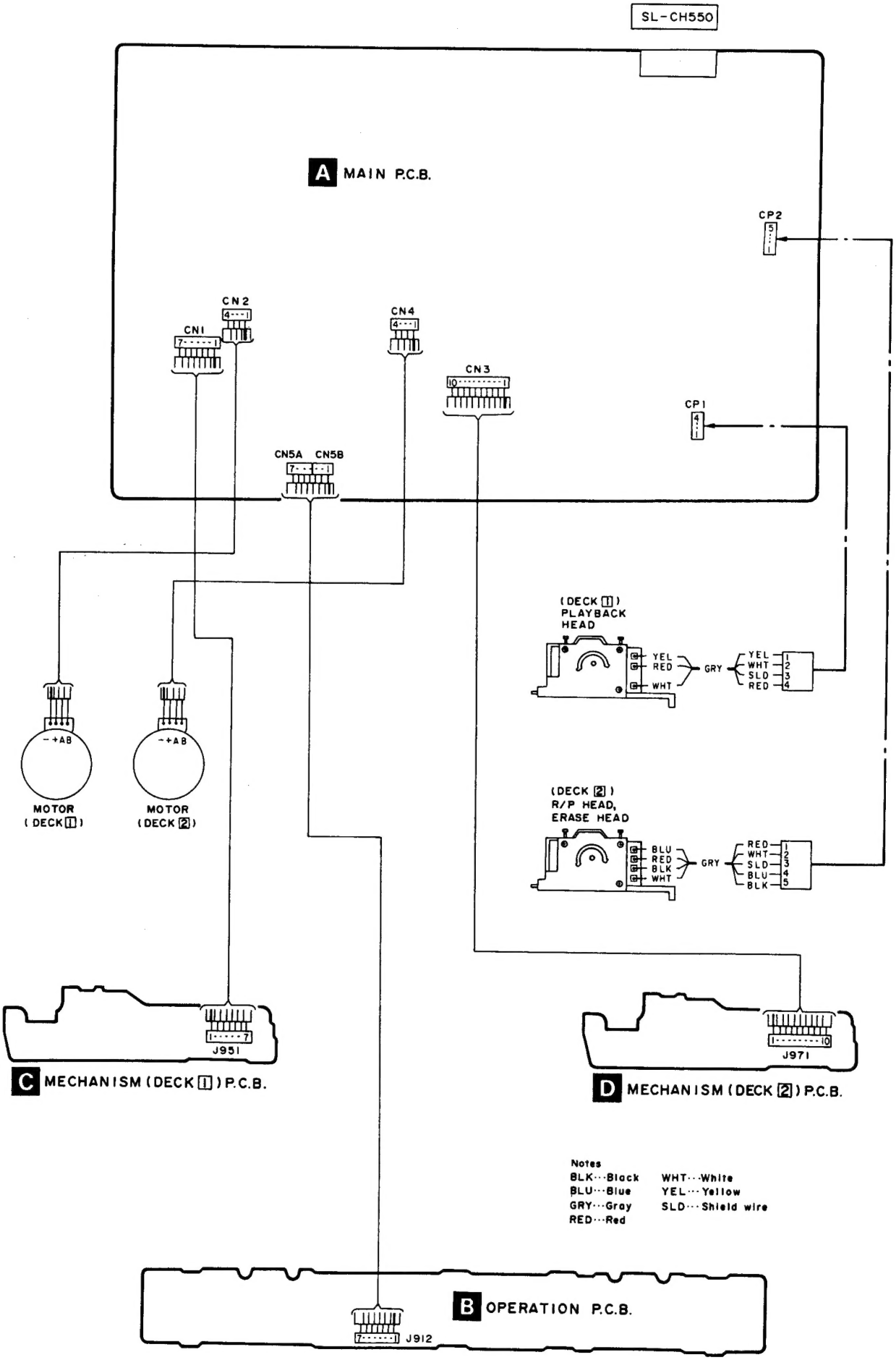


MA4051HTA
MA4056MTA
MA4062MTA
MA4082MTA

LN376GCPX-C
LN876RCPX-C



■ WIRING CONNECTION DIAGRAM

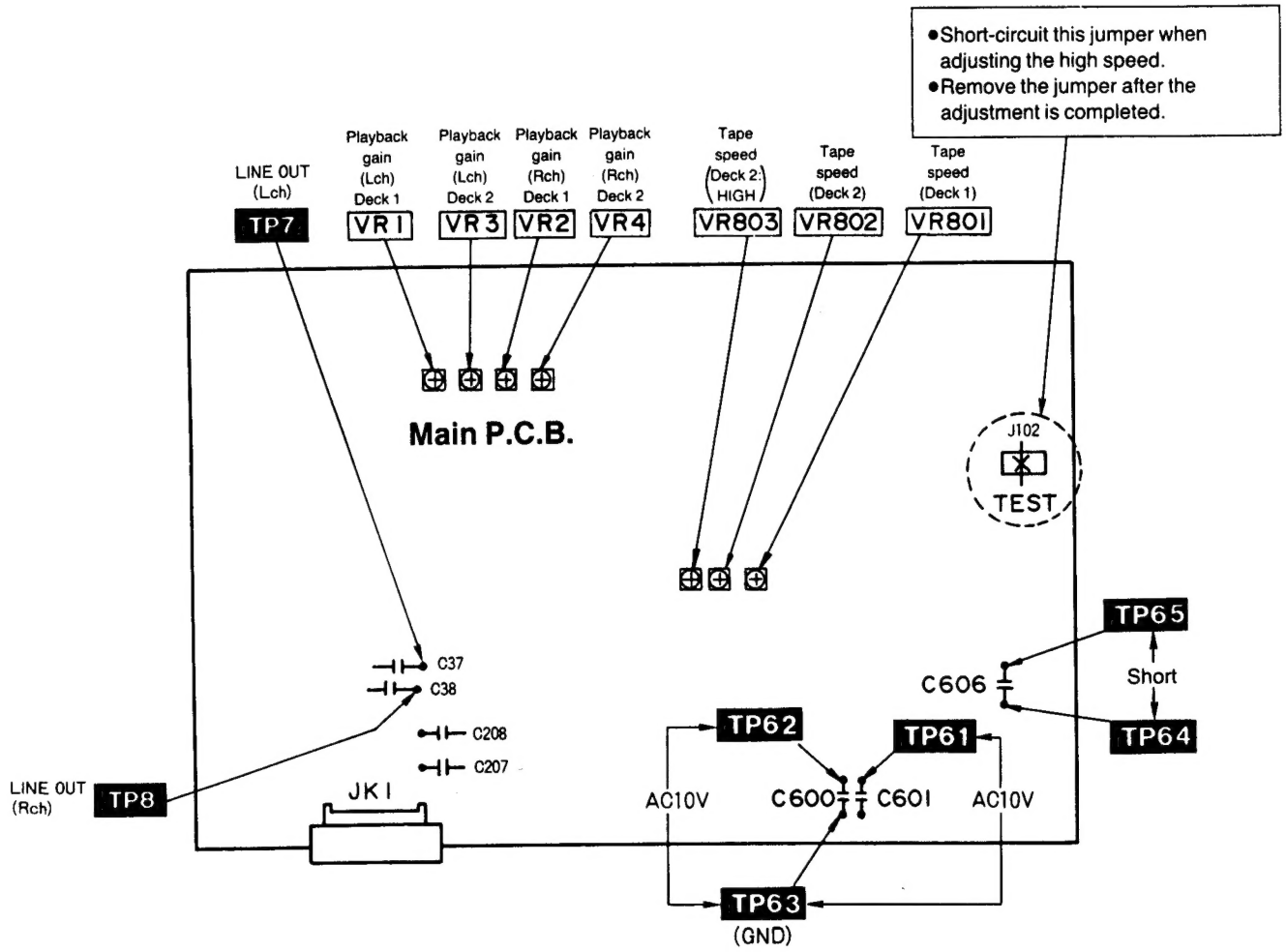


■ MEASUREMENTS AND ADJUSTMENTS

The RS-CH550 operates on power supplied from the SA-CH550 tuner amplifier.
To operate the RS-CH550 by connecting it to the tuner amplifier, short-circuit the test points shown below.
- Connect a jumper across TP64 and TP65.

The procedure below enables the RS-CH550 to be operated by itself without the SA-CH550 tuner amplifier during testing and repair.
1. Connect a jumper across TP64 and TP65.
2. Apply 10 V AC across TP61 and TP63 and TP62.

- Remove the jumper after the operational check is completed.



Measurement Condition
- Reverse-mode selector switch; ⇄
- One touch tape edit switch; NORMAL
- Dolby NR switch; OFF
- Make sure heads are clean
- Make sure capstan and pressure roller are clean
- Judgeable room temperature 20±5°C (68±9°F)

Measuring instrument
- EVM (Electronic Voltmeter)
- Oscilloscope
- Digital frequency counter

Test tape
- Head azimuth adjustment (8 kHz, −20 dB); QZZCFM
- Tape speed adjustment (3 kHz, −10 dB); QZZCWAT
- Playback frequency response (315 Hz, 12.5 kHz, 10 kHz, 8 kHz, 4 kHz, 1 kHz, 250 Hz, 125 Hz, 63 Hz, −20 dB); QZZCFM
- Playback gain adjustment (315 Hz, 0 dB); QZZCFM

HEAD AZIMUTH ADJUSTMENT (DECK 1/2)

1. Playback the azimuth adjustment portion (8 kHz, −20 dB) of the test tape (QZZCFM). Vary the azimuth adjusting screw until the outputs of the L-CH and R-CH are maximized and the lissajous waveform, as illustrated, approaches 0 degrees.

Note: If L-CH and R-CH are not maximized at the same point, adjust to the point where the levels of each channel are maximized and equal.

2. Perform the same adjustment in the play mode.
3. After the adjustment, apply screwlock to the azimuth adjusting screw.

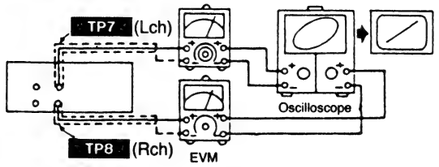


Fig. 1

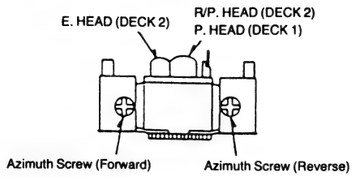


Fig. 2

TAPE SPEED ADJUSTMENT (DECK 1/2)

Normal speed

1. Press the one touch tape edit (NORMAL) button. This will set the normal speed mode.
2. Playback the middle portion of the test tape (QZZCWAT).
3. Adjust Deck 1 = **VR801** and Deck 2 = **VR802** so that the output is within the standard value.

Standard value: 3000±15 Hz (NORMAL speed)

High speed [Set the unit to forward (FWD) mode.]

4. Short-circuit the jumper (J102). This will set the high speed mode.
5. Playback the middle portion on the test tape (QZZCWAT).
6. At that time, check if the output from DECK 1 is within the standard value.

Standard value: 6000±630 Hz (HIGH speed)

7. Adjust **VR803** so that the output frequency of DECK 2 is within **±30 Hz** of the value of the output frequency of DECK 1.

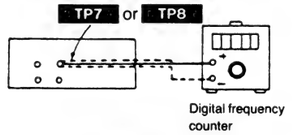


Fig. 3

PLAYBACK GAIN ADJUSTMENT (DECK 1/2)

1. Playback the gain adjusted portion (315 Hz, 0 dB) of the test tape (QZZCFM).
2. Adjust Deck 2 = **VR3** (L-CH) [**VR4** (R-CH)] and Deck 1 = **VR1** (L-CH) [**VR2** (R-CH)] so that the output is within the standard value.

Standard value: 400 mV±0.5 dB

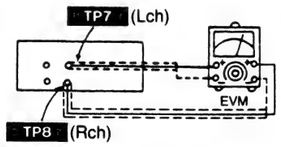


Fig. 4

PLAYBACK FREQUENCY RESPONSE (DECK 1/2)

1. Playback the frequency response portion (315 Hz, 12.5 kHz~63 Hz, −20 dB) of the test tape (QZZCFM).
2. Assure that the frequency response is within the range shown in **Fig. 6** for both L-CH and R-CH.

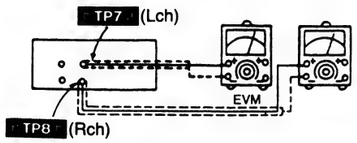


Fig. 5

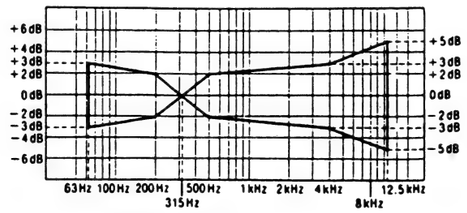


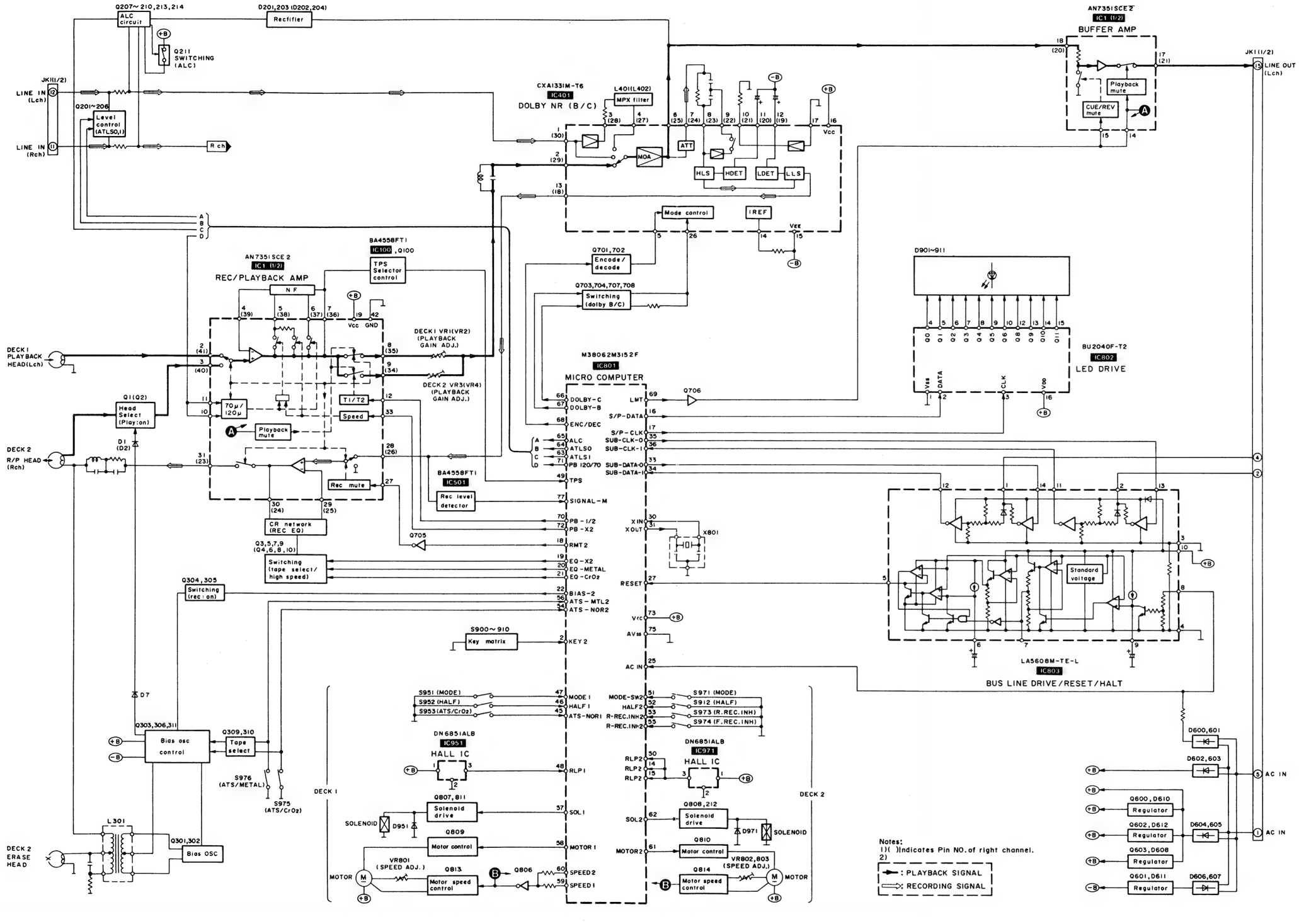
Fig. 6

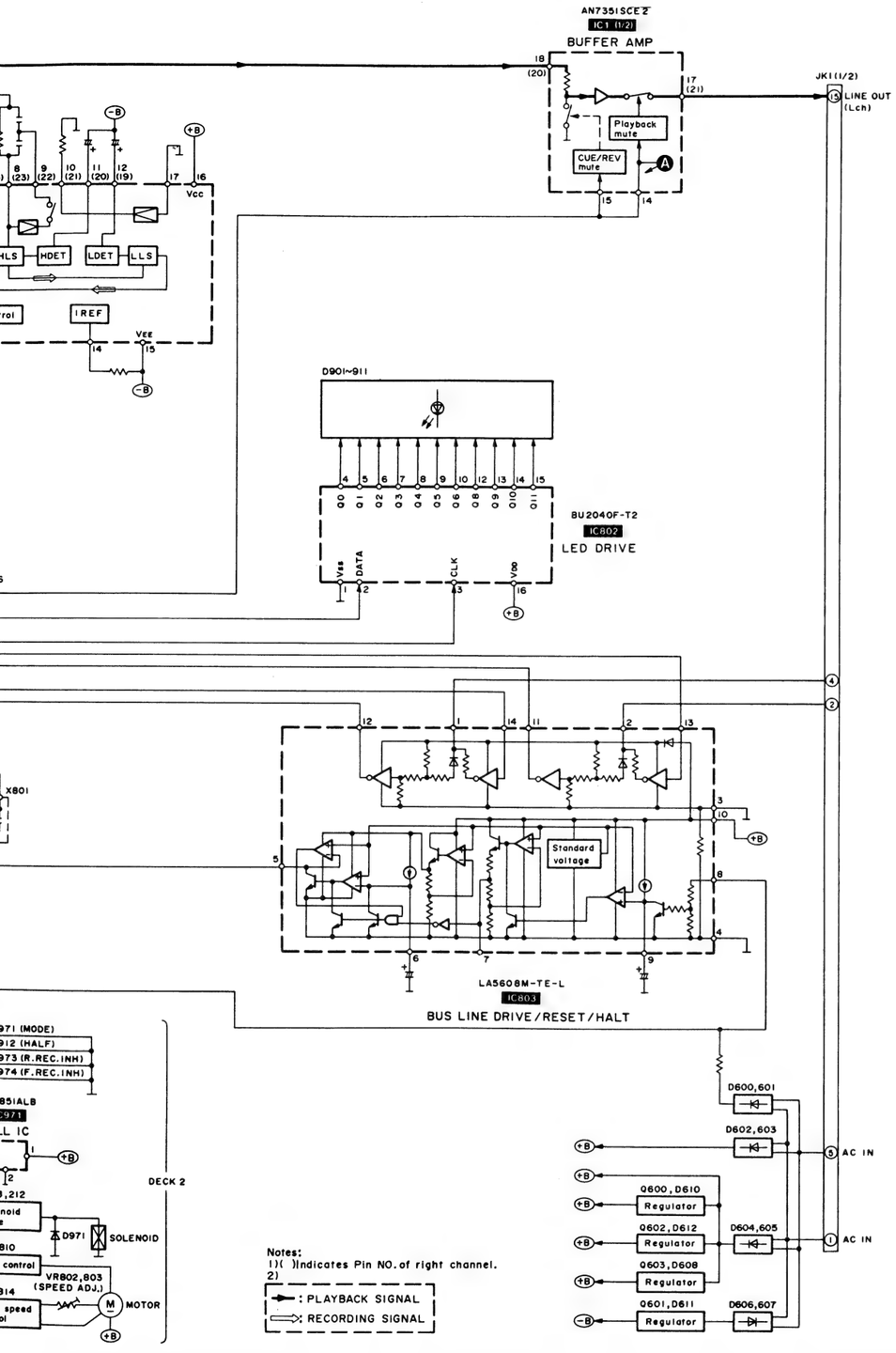
■ FUNCTION OF IC TERMINALS

•IC801 (M38062M3152F)

Pin No.	Terminal Name	I/O	Function
1	QUICK1	I	No use (pull down connection to Vss by resistance)
2	KEY2	I	Operation key and switch inputs of Decks 1 and 2
3	KEY1	I	Pull-up connection to Vss by resistance
4 ~ 11	——	—	For Vss connection
12 • 13	——	—	Pull-down connection to Vss by resistance
14	RLP2	I	Detection pulse signal input of Deck 2 reel rotation
15	RLP2	I	Detection pulse signal input of Deck 2 reel rocation
16	S/P-DATA	O	Serial signal output to LED IC
17	S/P-CLK	O	
18	RMT2	O	Recording muting signal output
19	EQ-×2	O	Switching signal output for equalizer of recording amplifier (×1/×2)
20	EQ-METAL	O	Switching signal output for equalizer of recording amplifier (METAL)
21	EQ-CrO_2	O	Switching signal output for equalizer of recorder amplifier (CrO_2)
22	BIAS2	O	ON/OFF signal output for recording bias
23	RMT1	O	No use (Pull-down connection to Vss by resistance)
24	BIAS1	O	No use (Pull-down connection to Vss by resistance)
25	AC IN	I	Power OFF detection signal input
26	CNVss	—	For Vss connection
27	RESET	I	Microprocessor reset signal output
28 • 29	——	—	Pull-down connection to Vss by resistance
30	XIN	I	Microprocesser clock signal input
31	XOUT	O	Microprocessor clock signal output
32	Vss	—	Ground connection
33	BUS-DATA-O	O	Bus signal input and output
34	BUS-DATA-I	I	
35	BUS-CLK-O	O	
36	BUS-CLK-I	I	
37 ~ 39	——	—	Pull-down connection to Vss by resistance
40	B/C SEL	O	Pull-down connection to Vss by resistance
41	TEST	I	For ON/OFF of TEST mode
42	ATS-MTL1	I	No use (pull-down connection to Vss by resistance)
43	F-RECINH1	I	No use (pull-down connection to Vss by resistance)
44	R-RECINH1	I	No use (pull-down connection to Vss by resistance)
45	ATS-NOR1	I	Tape position (NORMAL) detection SW input of Deck 1
46	HALF1	I	Tape-in/out detection SW input of Deck 1
47	MODE1	I	Mechanical mode SW input of Deck 1
48	RLP1	I	Detection pulse signal input of Deck 1 reel rotation
49	TPS	I	Song detection signal input during TPS operation
50	RLP2	I	Detection pulse signal input of Deck 2 reel rotation
51	MODE2	I	Mechanical mode SW input of Deck 2
52	HALF2	I	Tape-in/out detection SW input of Deck 2
53	R-RECINH2	I	Tape erasure prevention SW input of Deck 2 (in "◀" direction)
54	ATS-NOR2	I	Tape position (NORMAL) detection SW input of Deck 2
55	F-RECINH2	I	Tape erasure prevention SW input of Deck 2 (in "▶" direction)
56	ATS-MTL2	I	Tape position (METAL) detection SW input of Deck 2
57	SOL1	O	Plunger ON/OFF signal output of Deck 1 mechanism
58	MOTOR1	O	Motor ON/OFF signal output of Deck 1 mechanism
59	SPEED1	O	Motor speed switching signal output of Deck 1 mechanism
60	SPEED2	O	Motor speed switching signal output of Deck 2 mechanism
61	MOTOR2	O	Motor ON/OFF signal output of Deck 2 mechanism
62	SOL2	O	Plunger ON/OFF signal output of Deck 2 mechanism
63	ATLS1	O	Setting of ATLS operation level
64	ATLS0	O	
65	ALC	O	ON/OFF signal output of ALC circuit
66	DOLBY-C	O	ON/OFF signal output of Dolby C
67	DOLBY-B	O	ON/OFF signal output of Dolby B
68	ENC/DEC	O	Encoder/decoder switching signal output of Dolby IC
69	LMT	O	Line out muting signal output
70	PB-1/2	O	Switching signal of player amplifier (Deck 1/2)
71	PB-120/70	O	Switching signal output for equalizer of player amplifier
72	PB-X2	O	Switching signal output for equalizer of player amplifier
73	Vcc	I	Power supply terminal for microprocessor
74	Vref	I	Reference power supply terminal for A/D input
75	AVss	—	Ground terminal for A/D input
76	——	—	Pull-down connection to Vss by resistance
77	SIGNAL-M	I	ATLS signal input
78	(SIGNAL-R)	I	No use (pull-down connection to Vss by resistance)
79	(SIGNAL-L)	I	No use (pull-down connection to Vss by resistance)
80	QUICK2	I	No use (pull-down connection to Vss by resistance)

■ BLOCK DIAGRAM





■ REPLACEMENT PARTS LIST

Notes: *Important safety notice:
Components identified by ⚠ mark have special characteristics important for safety.
Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.
*The parenthesized indications in the Remarks columns specify the areas. (Refer to the cover page for area.)
Parts without these indications can be used for all areas.

Ref. No.	Part No.	Part Name & Description	Remarks
		INTEGRATED CIRCUIT(S)	
IC1	AN7351SCE2	I. C, PLAYBACK/REC AMP	
IC100	SVIBA4558F	I. C, TPS SELECT CONT.	
IC401	CXA1331M-T6	I. C, DOLBY NR	
IC501	SVIBA4558F	I. C, REC LEVEL DET.	
IC801	M38062M3152F	I. C, MICRO COMPUTER	
IC802	BU2040F-T2	I. C, LED DRIVE	
IC803	LA5608M-TE-L	I. C, BUS LINE DRIVE/RESET	
IC951	DN6851ALB	I. C, HALL	
IC971	DN6851ALB	I. C, HALL	
		TRANSISTOR(S)	
Q1, 2	2SJ164PQRTA	TRANSISTOR	
Q3-8	UN4222	TRANSISTOR	
Q9	2SD1450RTA	TRANSISTOR	
Q10	2SD1450RTA	TRANSISTOR	
Q100	2SC3311A-Q	TRANSISTOR	
Q201, 202	2SC3311A-Q	TRANSISTOR	
Q203, 204	UN4111	TRANSISTOR	
Q205, 206	2SC3311A-Q	TRANSISTOR	
Q207	2SC3312STTA	TRANSISTOR	
Q208	UN4211	TRANSISTOR	
Q209, 210	2SC3312STTA	TRANSISTOR	
Q211	UN4113TA	TRANSISTOR	
Q213, 214	2SC3312STTA	TRANSISTOR	
Q301, 302	2SC3311A-Q	TRANSISTOR	
Q303	2SD1862QRTV6	TRANSISTOR	
Q304	2SB621A-R	TRANSISTOR	
Q305	UN4211	TRANSISTOR	
Q306	2SC3311A-Q	TRANSISTOR	
Q309, 310	UN4216-S	TRANSISTOR	
Q311	2SB621A-R	TRANSISTOR	
Q600	2SD1862QRTV6	TRANSISTOR	
Q601	2SB1357EFTA	TRANSISTOR	
Q602	2SD1862QRTV6	TRANSISTOR	
Q603	2SD2037EFTA	TRANSISTOR	
Q701	UN4111	TRANSISTOR	
Q702	UN4211	TRANSISTOR	
Q703, 704	UN4111	TRANSISTOR	
Q705-708	UN4211	TRANSISTOR	
Q806-808	UN4222	TRANSISTOR	
Q809, 810	2SD1302STTA	TRANSISTOR	
Q811, 812	2SB621A-R	TRANSISTOR	
Q813, 814	2SA1309A-R	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
		DIODE(S)	
D1, 2	MA167	DIODE	
D4, 5	MA700TA	DIODE	
D6-8	MA165	DIODE	
D100	MA165	DIODE	
D201-204	MA165	DIODE	
D300	MA167	DIODE	
D301	MA4056MTA	DIODE	
D302	MA165	DIODE	
D501, 502	MA165	DIODE	
D505, 506	MA165	DIODE	
D600, 601	MA165	DIODE	⚠
D602-607	1SR35200TB	DIODE	⚠
D608	MA4082MTA	DIODE	
D610, 611	MA4082MTA	DIODE	
D612	MA4062MTA	DIODE	
D617	MA165	DIODE	
D800, 801	1SS291TA	DIODE	
D803, 804	MA165	DIODE	
D808	MA165	DIODE	
D809	MA4051H	DIODE	
D810	MA165	DIODE	
D811	1SS291TA	DIODE	
D813, 814	MA165	DIODE	
D901-904	LN876RCPX-C	L. E. D.	
D905-907	LN376GCPX-C	L. E. D.	
D908-911	LN876RCPX-C	L. E. D.	
D951	RVD1SS133TA	DIODE	
D971	RVD1SS133TA	DIODE	
		VARIABLE RESISTOR(S)	
VR1	EVNDXAA00B24	V. R, PLAYBACK GAIN(DECK1) (L)	
VR2	EVNDXAA00B24	V. R, PLAYBACK GAIN(DECK1) (R)	
VR3	EVNDXAA00B24	V. R, PLAYBACK GAIN(DECK2) (L)	
VR4	EVNDXAA00B24	V. R, PLAYBACK GAIN(DECK2) (R)	
VR801	EVNDXAA00B53	V. R, TAPE SPEED(DECK1)	
VR802	EVNDXAA00B53	V. R, TAPE SPEED(DECK2)	
VR803	EVNDXAA00B53	V. R, TAPE SPEED(DECK2)	
		COIL(S)	
L1, 2	SLQX303-1KT	COIL	
L3, 4	RLQB103JT-Y	COIL	
L301	SL09B4-K	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L401, 402	RLQB103JT-Y	COIL	
		OSCILLATOR	
X801	RSXY5M00M01T	OSCILLATOR	
		SWITCH(ES)	
S900	EVQ21405R	SW, STOP	
S901	EVQ21405R	SW, F. F. (TPS)	
S902	EVQ21405R	SW, REW(TPS)	
S903	EVQ21405R	SW, PLAY(FWD)	
S904	EVQ21405R	SW, PLAY(REV)	
S905	EVQ21405R	SW, REC PAUSE	
S906	EVQ21405R	SW, DECK1/2	
S907	EVQ21405R	SW, NORMAL	
S908	EVQ21405R	SW, HIGH	
S909	EVQ21405R	SW, DOLBY NR	
S910	EVQ21405R	SW, REV MODE	
S951	RSH1A89Z	SW, DECK1 MODE	
S952	RSH1A90YC-U	SW, DECK1 HALF	
S953	RSH1A90YC-U	SW, DECK1 ATS/CrO2	
S971	RSH1A89Z	SW, DECK2 MODE	
S972	RSH1A90YC-U	SW, DECK2 HALF	
S973	RSH1A90YC-U	SW, DECK2 R REC INH	
S974	RSH1A90YC-U	SW, DECK2 F. REC INH	
S975	RSH1A90YC-U	SW, DECK2 ATS/CrO2	
S976	RSH1A90YC-U	SW, DECK2 ATS/METAL	
		CONNECTOR	
JK1	RJT065K15	CONNECTOR(15P)	
J912	REZ0511	FLAT CABLE(7P)	
J951	RJS7T7ZA	CONNECTOR(7P)	
J971	RJS10T7ZA	CONNECTOR(10P)	
CN1	RJS7T4ZA	CONNECTOR(7P)	
CN2	RJS1A6604	CONNECTOR(4P)	
CN3	SJSD1005	CONNECTOR(10P)	
CN4	RJS1A6604	CONNECTOR(4P)	
CN5A	RJS1A6604	CONNECTOR(4P)	
CN5B	RJS1A6603	CONNECTOR(3P)	
CP1	SJTD413	CONNECTOR(4P)	
CP2	RJP5G18ZA	CONNECTOR(5P)	
		EARTH TERMINAL	
E1	SNE1004-1	GND PLATE	

Notes : • Capacity values are in microfarads (uF) unless specified otherwise, P=Pico-farads(pF) F=Farads(F)
• Resistance values are in ohms, unless specified otherwise, 1K=1,000(OHM) , 1M=1,000k(OHM)

Ref. No.	Part No.	Values & Remarks
		RESISTORS
R1-4	ERDS2TJ101	1/4W 100
R5, 6	ERDS2TJ103	1/4W 10K
R7, 8	ERDS2TJ273	1/4W 27K
R9	ERDS2TJ163T	1/4W 16K
R10	ERDS2TJ163T	1/4W 16K
R11, 12	ERDS2EJ121	1/4W 120
R13, 14	ERDS2TJ394	1/4W 390K
R15, 16	ERDS2TJ153	1/4W 15K
R17, 18	ERDS2TJ272T	1/4W 2.7K
R19	ERDS2TJ392T	1/4W 3.9K
R21, 22	ERDS2TJ103	1/4W 10K
R23, 24	ERDS2TJ225	1/4W 2.2M
R25	ERDS2TJ103	1/4W 10K
R27, 28	ERDS2TJ123	1/4W 12K
R29, 30	ERDS2TJ563	1/4W 56K
R31, 32	ERDS2TJ682T	1/4W 6.8K
R33, 34	ERDS2TJ562	1/4W 5.6K
R35, 36	ERDS2TJ220T	1/4W 22
R37, 38	ERDS2TJ391	1/4W 390
R39, 40	ERDS2TJ222	1/4W 2.2K
R41, 42	ERDS2TJ181T	1/4W 180
R43, 44	ERDS2TJ103	1/4W 10K
R45, 46	ERDS2TJ682T	1/4W 6.8K
R47, 48	ERDS2TJ272T	1/4W 2.7K
R49-52	ERDS2TJ682T	1/4W 6.8K
R53, 54	ERDS2TJ104	1/4W 100K
R55, 56	ERDS2TJ472	1/4W 4.7K
R57, 58	ERDS2TJ104	1/4W 100K
R61, 62	ERDS2TJ102	1/4W 1K
R63, 64	ERDS2TJ562	1/4W 5.6K
R100	ERDS2TJ332	1/4W 3.3K
R101	ERDS2TJ331	1/4W 330
R102	ERDS2TJ823T	1/4W 82K
R103	ERDS2TJ393	1/4W 39K
R104	ERDS2TJ682T	1/4W 6.8K
R105	ERDS2TJ102	1/4W 1K
R106	ERDS2TJ473	1/4W 47K
R107	ERDS2TJ123	1/4W 12K
R201, 202	ERDS2TJ152	1/4W 1.5K
R211, 212	ERDS2TJ273	1/4W 27K
R213, 214	ERDS2TJ332	1/4W 3.3K
R215, 216	ERDS2TJ392T	1/4W 3.9K
R217, 218	ERDS2TJ103	1/4W 10K
R219, 220	ERDS2TJ822	1/4W 8.2K
R223, 224	ERDS2TJ223	1/4W 22K
R227, 228	ERDS2TJ273	1/4W 27K

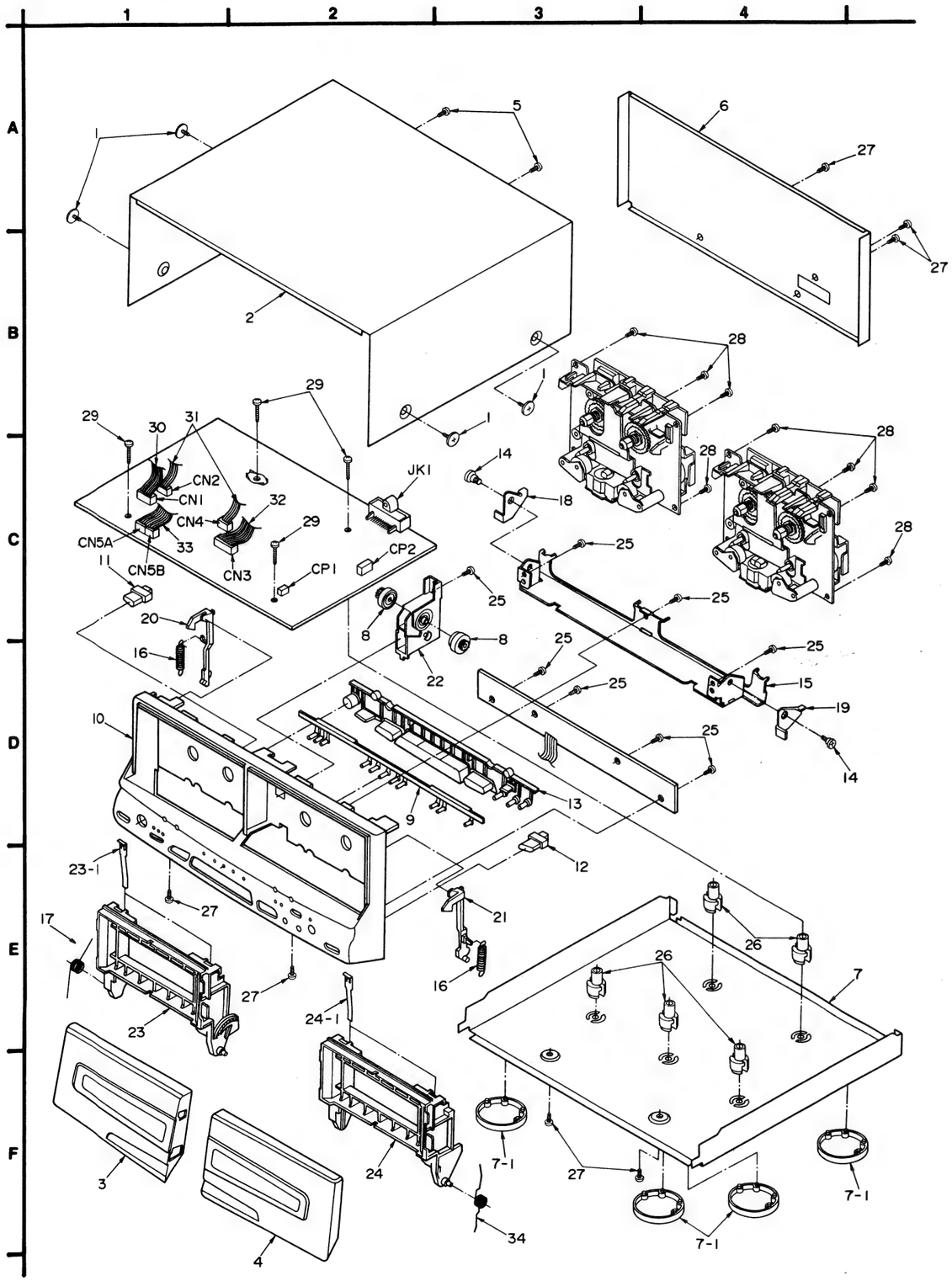
Ref. No.	Part No.	Values & Remarks
R229, 230	ERDS2TJ394	1/4W 390K
R231, 232	ERDS2TJ562	1/4W 5.6K
R233	ERDS2TJ223	1/4W 22K
R235, 236	ERDS2TJ223	1/4W 22K
R301	ERDS2TJ1R0	1/4W 1.0
R302, 303	ERDS2TJ183T	1/4W 18K
R304, 305	ERDS2TJ100	1/4W 10
R306	ERDS2TJ561	1/4W 560
R307	ERD2FCVG150T	1/4W 15 ⚠
R308	ERDS2TJ103	1/4W 10K
R309	ERDS2TJ563	1/4W 56K
R310	ERDS2TJ562	1/4W 5.6K
R314	ERDS2TJ473	1/4W 47K
R315	ERDS2TJ272T	1/4W 2.7K
R318	ERDS2TJ561	1/4W 560
R319	ERDS2TJ331	1/4W 330
R320	ERDS2TJ821	1/4W 820
R321	ERDS2TJ822	1/4W 8.2K
R322	ERDS2TJ680T	1/4W 68
R323, 324	ERDS2TJ473	1/4W 47K
R325	ERDS2TJ103	1/4W 10K
R401, 402	ERDS2TJ272T	1/4W 2.7K
R403, 404	ERDS2TJ562	1/4W 5.6K
R405, 406	ERDS2TJ243T	1/4W 24K
R407, 408	ERDS2TJ561	1/4W 560
R409	ERDS2TJ151	1/4W 150
R410	ERDS2TJ273	1/4W 27K
R501, 502	ERDS2TJ393	1/4W 39K
R503, 504	ERDS2TJ153	1/4W 15K
R505, 506	ERDS2TJ124T	1/4W 120K
R507	ERDS2TJ220T	1/4W 22
R508	ERDS2TJ822	1/4W 8.2K
R600, 601	ERDS2TJ472	1/4W 4.7K
R603, 604	ERDS2TJ102	1/4W 1K
R605, 606	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R607	ERD2FCVG150T	1/4W 15 ⚠
R608	ERD2FCVJ4R7T	1/4W 4.7 ⚠
R609	ERDS2TJ100	1/4W 10
R610	ERDS2TJ222	1/4W 2.2K
R611-614	ERDS2TJ270T	1/4W 27
R615	ERDS2TJ102	1/4W 1K
R700	ERDS2TJ100	1/4W 10
R701	ERDS2TJ822	1/4W 8.2K
R702, 703	ERDS2TJ103	1/4W 10K
R704-706	ERDS2TJ472	1/4W 4.7K
R707	ERDS2TJ152	1/4W 1.5K
R710	ERDS2TJ103	1/4W 10K
R800	ERDS2TJ103	1/4W 10K
R802	ERDS2TJ470	1/4W 47

Ref. No.	Part No.	Values & Remarks
R803	ERDS2TJ104	1/4W 100K
R804	ERDS2TJ103	1/4W 10K
R807, 808	ERDS2TJ223	1/4W 22K
R809-812	ERDS2TJ821	1/4W 820
R813, 814	ERDS2TJ2R7T	1/4W 2.7
R815, 816	ERDS2TJ184T	1/4W 180K
R817, 818	ERDS2TJ392T	1/4W 3.9K
R819, 820	ERDS2TJ103	1/4W 10K
R823	ERDS2TJ153	1/4W 15K
R824	ERDS2TJ123	1/4W 12K
R837	ERDS2TJ103	1/4W 10K
R840	ERDS2TJ103	1/4W 10K
R841-843	ERDS2TJ472	1/4W 4.7K
R844	ERDS2TJ102	1/4W 1K
R845	ERDS2TJ472	1/4W 4.7K
R846	ERDS2TJ102	1/4W 1K
R847-849	ERDS2TJ472	1/4W 4.7K
R850	ERDS2TJ332	1/4W 3.3K
R851-860	ERDS2TJ103	1/4W 10K
R863-873	ERDS2TJ103	1/4W 10K
R875-877	ERDS2TJ102	1/4W 1K
R900	ERDS2TJ821	1/4W 820
R901	ERDS2TJ102	1/4W 1K
R902	ERDS2TJ122	1/4W 1.2K
R903	ERDS2TJ152	1/4W 1.5K
R904	ERDS2TJ182	1/4W 1.8K
R905	ERDS2TJ222	1/4W 2.2K
R906	ERDS2TJ332	1/4W 3.3K
R907	ERDS2TJ472	1/4W 4.7K
R908	ERDS2TJ682T	1/4W 6.8K
R909	ERDS2TJ123	1/4W 12K
R910	ERDS2TJ683	1/4W 68K
R912, 913	ERDS2TJ821	1/4W 820
R914	ERDS2TJ223	1/4W 22K
R915	ERDS2TJ821	1/4W 820
R916, 917	ERDS2TJ391	1/4W 390
R919	ERDS2TJ821	1/4W 820
R922	ERDS2TJ821	1/4W 820
R923, 924	ERDS2TJ272T	1/4W 2.7K
		CAPACITORS
C1-4	ECBA1H681KB5	50V 680P
C5, 6	ECEA0JKA470B	6.3V 47U
C7, 8	ECQB1H822JF3	50V 8200P
C9	ECEA1EKA4R7B	25V 4.7U
C10-12	ECEA1EKA4R7B	25V 4.7U
C13	ECEA0JKA470B	6.3V 47U
C15, 16	ECEA1EKA4R7B	25V 4.7U

Ref. No.	Part No.	Values & Remarks
C17, 18	ECKR2H121KB5	500V 120P
C19, 20	ECBT1H561KB5	50V 560P
C23, 24	ECBT1H102KB5	50V 1000P
C25	ECBT1E103ZF	25V 0.01U
C27, 28	ECEA1HKAR22B	50V 0.22U
C29, 30	ECQB1H472JF3	50V 4700P
C31, 32	ECQB1H123JF3	50V 0.012U
C33, 34	ECBT1H391KB5	50V 390P
C35, 36	ECBT1H102KB5	50V 1000P
C37, 38	ECEA1CKA100B	16V 10U
C39, 40	ECBT1C392KR5	16V 3900P
C41	ECBT1H102KB5	50V 1000P
C100	ECQB1H103JF3	50V 0.01U
C101	ECEA1HKA3R3B	50V 3.3U
C102	ECBT1H470J5	50V 47P
C103	ECEA1HKA2R2B	50V 2.2U
C207, 208	ECEA1HKA010B	50V 1U
C209	ECEA1EKA4R7B	25V 4.7U
C301	ECQP1153JZ	100V 0.015U
C302	ECEA1EKA4R7B	25V 4.7U
C303	ECKR1H392KB5	50V 3900P
C304, 305	ECKW1H222KB5	50V 2200P
C306	ECKD1H682KB	50V 6800P
C307	ECBT1E103ZF	25V 0.01U
C308	ECKR1H472KB5	50V 4700P
C309	ECEA1HKA010B	50V 1U
C310	ECBT1E103ZF	25V 0.01U
C311, 312	ECBT1H221KB5	50V 220P
C401, 402	ECBT1H391KB5	50V 390P
C403, 404	ECBT1C332KR5	16V 3300P
C405, 406	ECEA1EKA4R7B	25V 4.7U
C407-410	ECQB1H222JF3	50V 2200P
C411, 412	ECEA1HUR56B	50V 0.56U
C413, 414	ECEA1HKAR33B	50V 0.33U
C415, 416	ECEA1CKA100B	16V 10U
C501-503	ECEA1CKA100B	16V 10U
C600, 601	ECKR1H103ZF5	50V 0.01U ⚠
C602	ECKR2H682PE	500V 6800P ⚠
C603	ECEA1EU222B	25V 2200U
C604, 605	ECA1EM102B	25V 1000U
C606	ECKR1H103ZF5	50V 0.01U
C607, 608	ECEA1AKA101B	10V 100U
C609, 610	ECBT1E103ZF	25V 0.01U
C611	ECEA1HKA010B	50V 1U
C612, 613	ECA1AM471B	10V 470U
C614, 615	ECBT1E103ZF	25V 0.01U
C616, 617	ECKR1H103ZF5	50V 0.01U
C618	ECEA1CKA100B	16V 10U
C701	ECEA1CKA100B	16V 10U
C802	ECA0JM102B	6.3V 1000U
C803, 804	ECBT1E103ZF	25V 0.01U
C810	ECBT1E223ZF	25V 0.022U

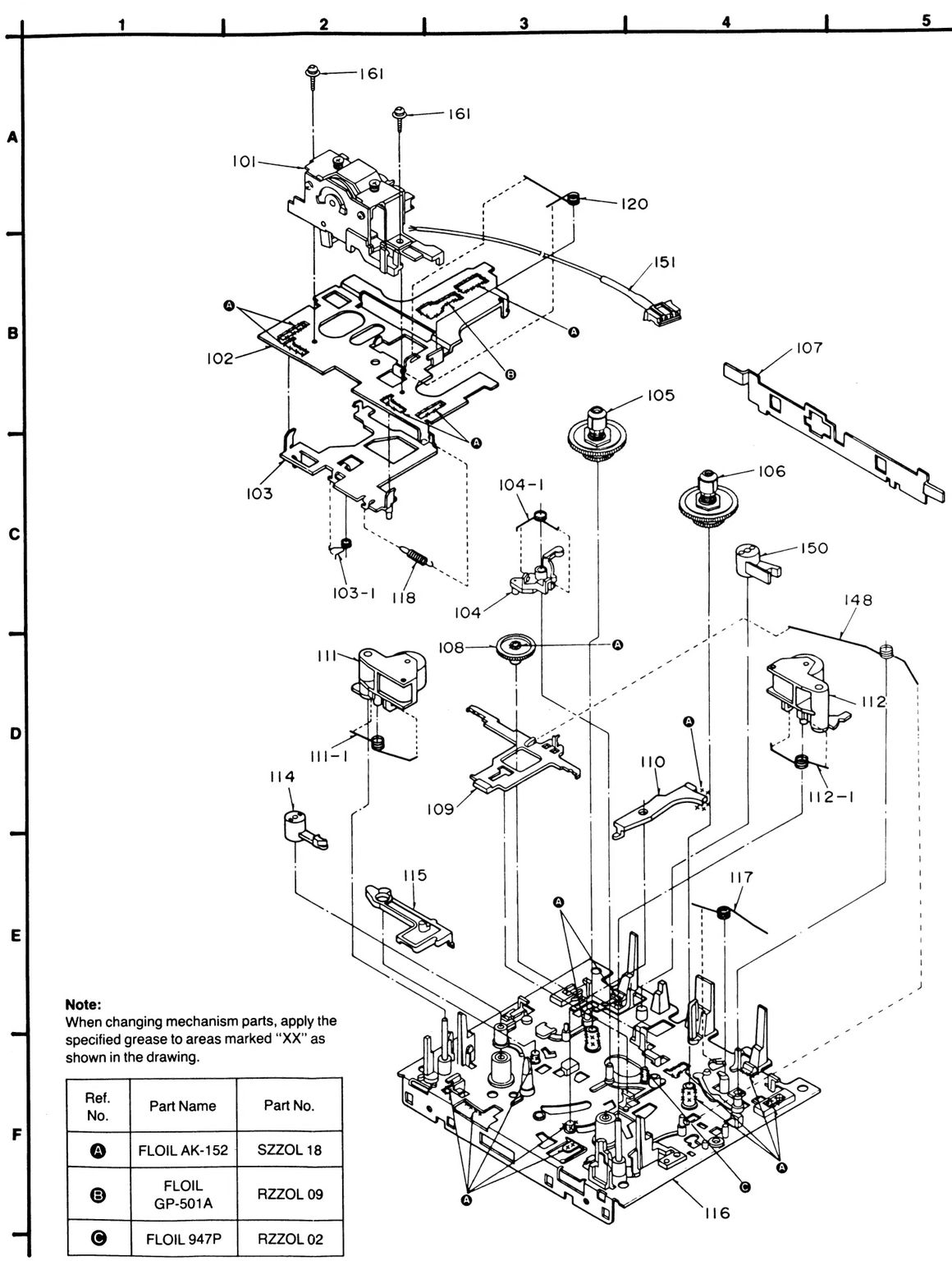
Ref. No.	Part No.	Values & Remarks
C811	ECEA1HKAR33B	50V 0.33U
C812	ECBT1E103ZF	25V 0.01U
C813	ECEA1HKAR22B	50V 0.22U
C901	ECBT1H470J5	50V 47P
C902	ECBT1H104ZF5	50V 0.1U

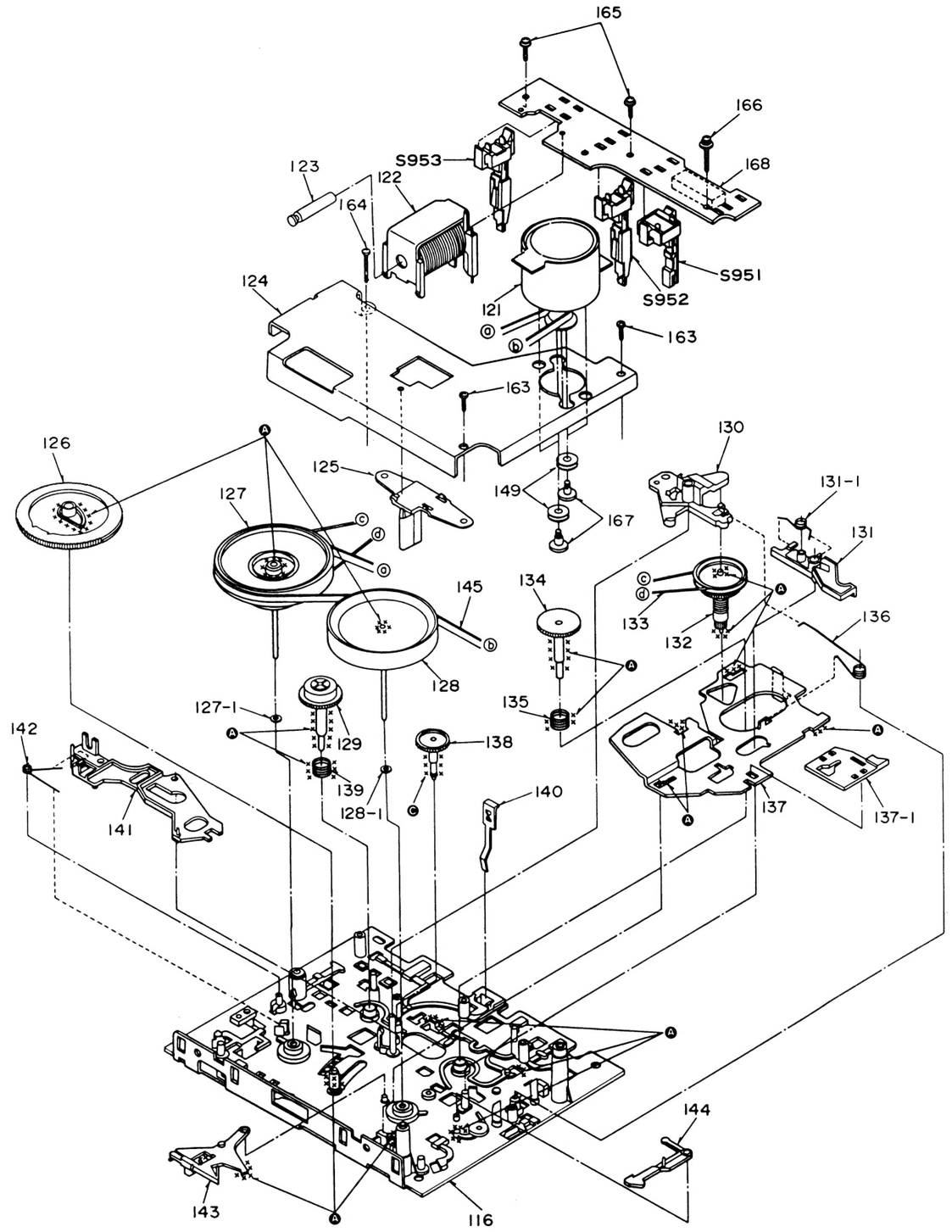
■ CABINET PARTS LOCATION



Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET PARTS	
1	RHD30007	SCREW	
2	RKMD202-1K	CABINET	
3	RYF0182A-K	CASSETTE LID(DECK1)	
4	RYF0183-K	CASSETTE LID(DECK2)	
5	XTBS3+8JFZ1	SCREW	
6	RGR0147A-C	REAR PANEL	
7	RFKJHCH550NK	BOTTOM BOARD ASS'Y	
7-1	RKA0055-N	FOOT	
8	RDG0201	DAMPER GEAR	
9	RGL0166-Q	LENS	
10	RGP0276-K	FRONT PANEL	
11	RGU0765-K	EJECT BUTTON(DECK1)	
12	RGU0766-K	EJECT BUTTON(DECK2)	
13	RGU0767-K	BUTTON, OPERATION	
14	RHD30032	SCREW	
15	RMA0593	MECHANISM ANGLE	
16	RMB0141-1	EJECT ROD SPRING	
17	RMB0253	C. HOLDER SPRING(DECK1)	
18	RML0263	EJECT LEVER(DECK1)	
19	RML0264	EJECT LEVER(DECK2)	
20	RMM0089	EJECT ROD(DECK1)	
21	RMM0090	EJECT ROD(DECK2)	
22	RMR0576-K	GEAR HOLDER	
23	RYF0184-K	CASSETTE HOLDER(DECK1)	
23-1	RUS7572A	SPRING	
24	RYF0185-K	CASSETTE HOLDER(DECK2)	
24-1	RUS7572A	SPRING	
25	XTBS26+8J	SCREW	
26	SHE185-2	HOLDER	
27	XTBS3+8JFZ1	SCREW	
28	XTB3+10JFZ	SCREW	
29	XTB3+16JFZ	SCREW	
30	RWJ5707210XX	FLAT CABLE(7P)	
31	RWJ1804200XX	FLAT CABLE(4P)	
32	RWJ5710200XX	FLAT CABLE(10P)	
33	REZ0511	FLAT CABLE(7P) (J912)	
34	RMB0254	C. HOLDER SPRING(DECK2)	

■ MECHANISM PARTS LOCATION •DECK 1





Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZOL 18
Ⓑ	FLOIL GP-501A	RZZOL 09
Ⓒ	FLOIL 947P	RZZOL 02

Ref.
101
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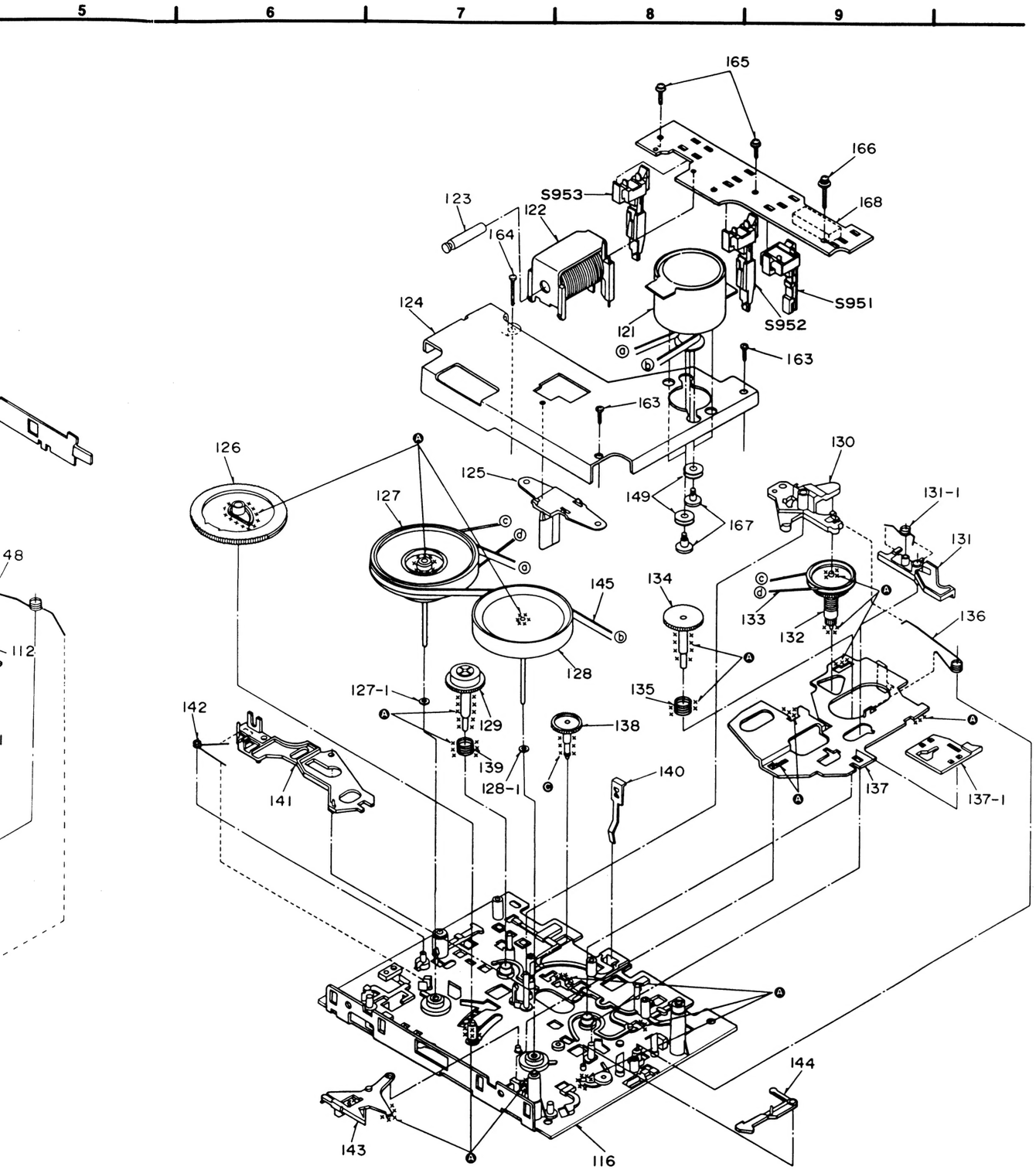


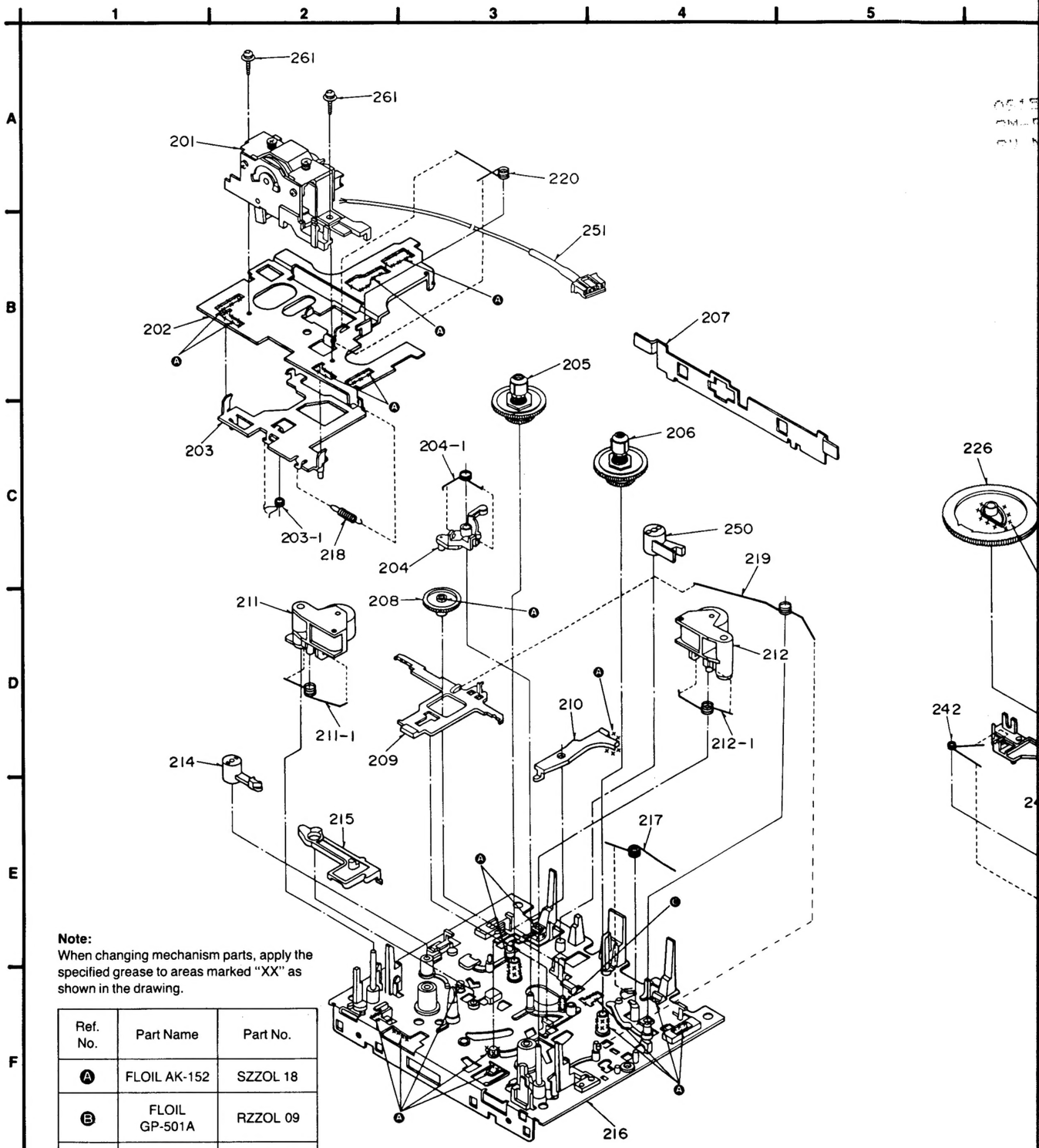
Ref. No.	Part No.	Part Name & Description	Remarks
		MECHANISM PARTS	
		DECK1(P. B)	
101	RXQ0051-2	HEAD ASS'Y(P. B)	
102	RUA793ZF	CHASSIS	
103	RZLAR300	LEVER ASS'Y	
103-1	RUW143ZA	SPRING	
104	1UB0089ZA	ARM	
104-1	RUW148ZA	SPRING	
105	1DM0018ZB	REEL TABLE ASS'Y	
106	1DM0017ZB	REEL TABLE ASS'Y	
107	RML0069-1	LEVER	
108	RDG5772ZC	GEAR	
109	RUB508ZB	LEVER	
110	RUB506ZB	LEVER	
111	1UB0088ZB	PINCH ROLLER	
111-1	RUW141ZA	SPRING	
112	1UB0087ZB	PINCH ROLLER	
112-1	RUW140ZC	SPRING	
114	RNL1ZD	ARM	
115	RUB503ZD	LEVER	
116	RFKRAA0320	CHASSIS ASS'Y	
117	RUW142ZA	SPRING	
118	RUD105ZA	SPRING	
120	RUW139ZA	SPRING	
121	RFM133ZA	MOTOR ASS'Y	
122	1UE0015ZB	PLUNGER	
123	RUB428ZE	SHAFT	
124	RUL1030YA	PLATE	
125	RMD5014ZC	SPACER	
126	RDG5927ZG	GEAR	
127	1DW0037ZB	FLYWHEEL ASS'Y	
127-1	RNW139ZA	WASHER	
128	1DW0038ZB	FLYWHEEL ASS'Y	
128-1	RNW138ZA	WASHER	
129	1DG0006ZB	GEAR	
130	RUB513ZD	LEVER	
131	1UB0091ZA	LEVER	
131-1	RUW146ZA	SPRING	
132	1DR0011ZB	PULLEY ASS'Y	
133	RDV90ZB	BELT	
134	RDG5769ZA	GEAR	
135	RUQ111ZB	SPRING	
136	RUW145ZA	SPRING	
137	1UB0090ZA	ROD	
137-1	RUB512ZB	ROD	
138	RDG5773ZB	GEAR	
139	RUQ112ZA	SPRING	
140	RUS609ZC	SPRING	
141	RUB514ZC	LEVER	
142	RUW147ZA	SPRING	

Ref. No.	Part No.	Part Name & Description	Remarks
143	RUB515ZA	LEVER	
144	RUB509ZA	LEVER	
145	RDV108ZA	BELT	
148	RUW144ZA	SPRING	
149	RHG3032ZA	RUBBER	
150	RNL180ZB	LEVER	
151	REX0061	CABLE ASS'Y	
161	XTW2+6L	SCREW	
163	XTN26+7J	SCREW	
164	RHE5203ZA	SCREW	
165	XTW2+8S	SCREW	
166	XYC2+JF16	SCREW	
167	RHD26002	SCREW	
168	RJS7T7ZA	CONNECTOR(7P)	

Ref. No.	Part No.	Part Name & Description	Remarks
		DECK2 (R/P)	
201	RXQ0007-2	HEAD ASS'Y (R/P)	
202	RUA793ZF	CHASSIS	
203	RZLAR300	LEVER ASS'Y	
203-1	RUW143ZA	SPRING	
204	1UB00892A	ARM	
204-1	RUW148ZA	SPRING	
205	1DM0018ZB	REEL TABLE ASS'Y	
206	1DM0017ZB	REEL TABLE ASS'Y	
207	RML0069-1	LEVER	
208	RDG5772ZC	GEAR	
209	RUB508ZB	LEVER	
210	RUB506ZB	LEVER	
211	1UB0088ZB	PINCH ROLLER	
211-1	RUW141ZA	SPRING	
212	1UB0087ZB	PINCH ROLLER	
212-1	RUW140ZC	SPRING	
214	RNL1ZD	ARM	
215	RUB503ZD	LEVER	
216	RFKRAA0320	CHASSIS ASS'Y	
217	RUW142ZA	SPRING	
218	RUD105ZA	SPRING	
219	RUW144ZA	SPRING	
220	RUW139ZA	SPRING	
221	RFM133ZA	MOTOR ASS'Y	
222	1UE00015ZB	PLUNGER	
223	RUB428ZE	SHAFT	
224	RUL1030YA	PLATE	
225	RMD5014ZC	SPACER	
226	RDG5927ZG	GEAR	
227	1DW00037ZB	FLYWHEEL ASS'Y	
227-1	RNW139ZA	WASHER	
228	1DW00038ZB	FLYWHEEL ASS'Y	
228-1	RNW138ZA	WASHER	
229	1DG0006ZB	GEAR	
230	RUB513ZD	LEVER	
231	1UB0091ZA	LEVER	
231-1	RUW146ZA	SPRING	
232	1DR00117B	PULLEY ASS'Y	
233	RDV90ZB	BELT	
234	RDG5769ZA	GEAR	
235	RUQ111ZB	SPRING	
236	RUW145ZA	SPRING	
237	1UB0090ZA	ROD	
237-1	RUB512ZB	ROD	
238	RDG5773ZB	GEAR	
239	RUQ112ZA	SPRING	
240	RUS609ZC	SPRING	
241	RUB514ZC	LEVER	
242	RUW147ZA	SPRING	

Ref. No.	Part No.	Part Name & Description	Remarks
243	RUB515ZA	LEVER	
244	RUB509ZA	LEVER	
245	RDV108ZA	BELT	
249	RHG3032ZA	RUBBER	
250	RNL180ZB	LEVER	
251	REX0059	CABLE ASS'Y	
261	XTW2+6L	SCREW	
263	XTN26+7J	SCREW	
264	RHE5203ZA	SCREW	
265	XTW2+8S	SCREW	
266	XYC2+JF16	SCREW	
267	RHD26002	SCREW	
268	RJS10T7ZA	CONNECTOR (10P)	

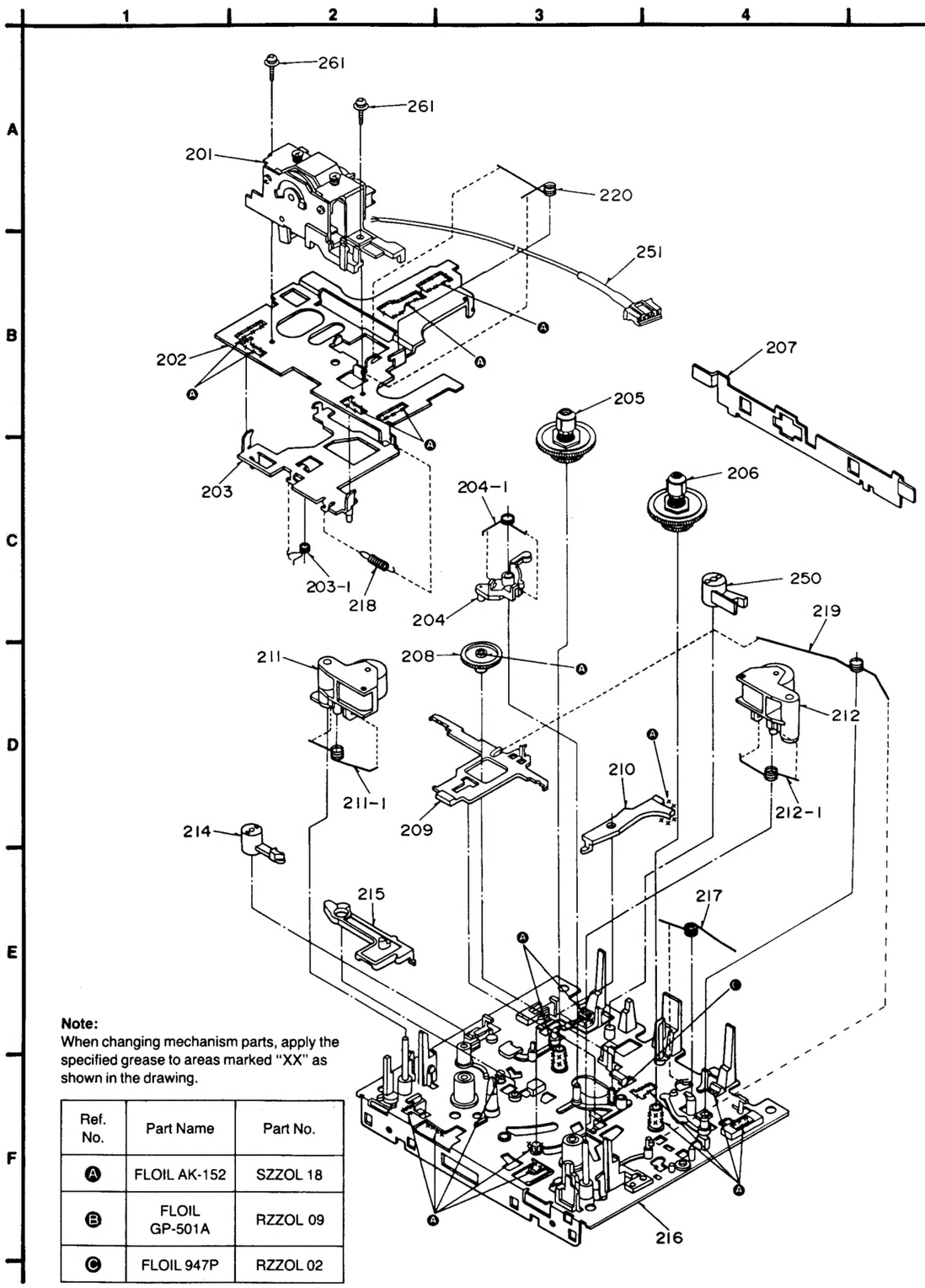
■ MECHANISM PARTS LOCATION • DECK 2

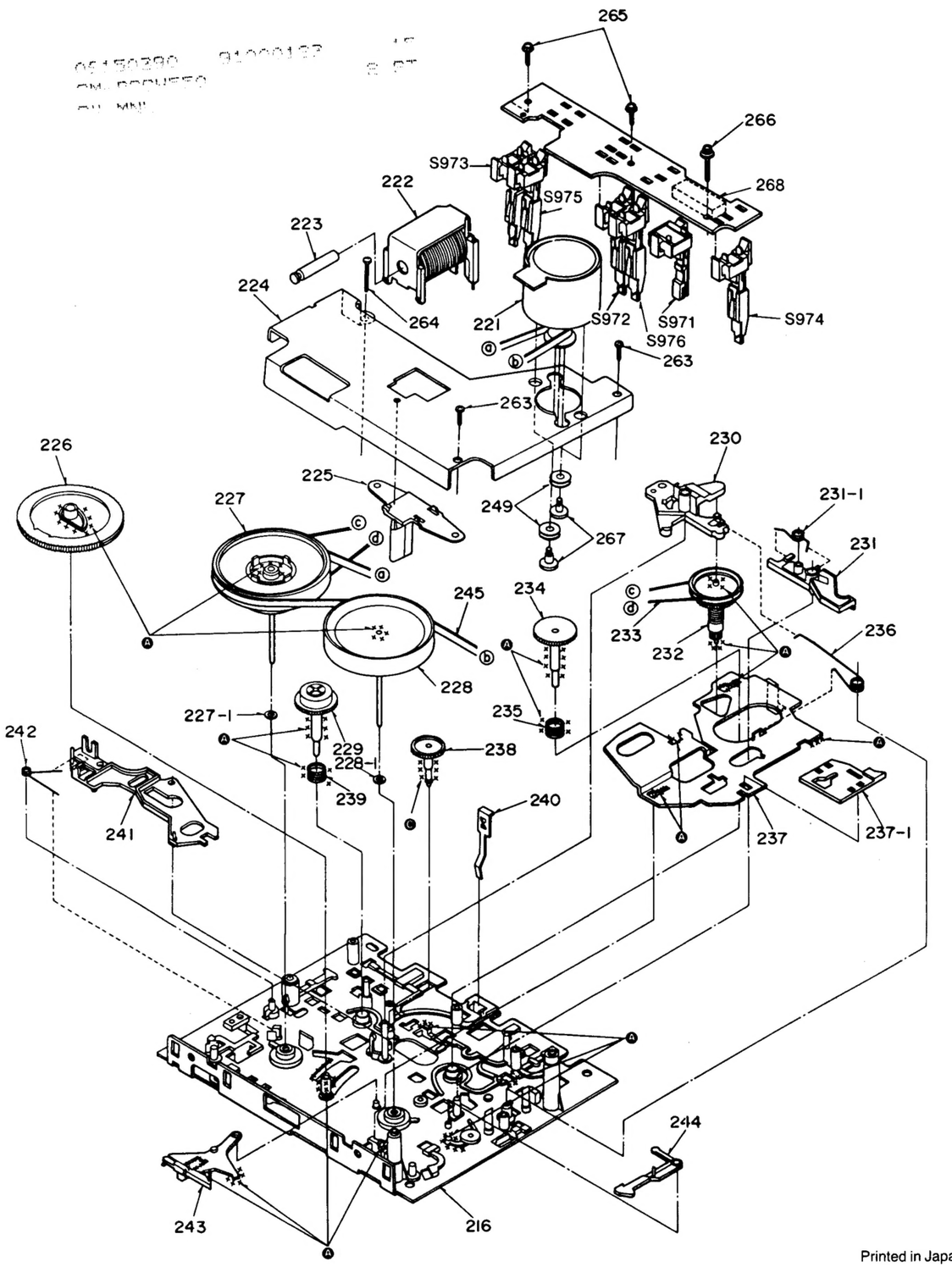


Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZOL 18
Ⓑ	FLOIL GP-501A	RZZOL 09
Ⓒ	FLOIL 947P	RZZOL 02

■ MECHANISM PARTS LOCATION •DECK 2





Note:
When changing mechanism parts, apply the specified grease to areas marked "XX" as shown in the drawing.

Ref. No.	Part Name	Part No.
Ⓐ	FLOIL AK-152	SZZOL 18
Ⓑ	FLOIL GP-501A	RZZOL 09
Ⓒ	FLOIL 947P	RZZOL 02

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